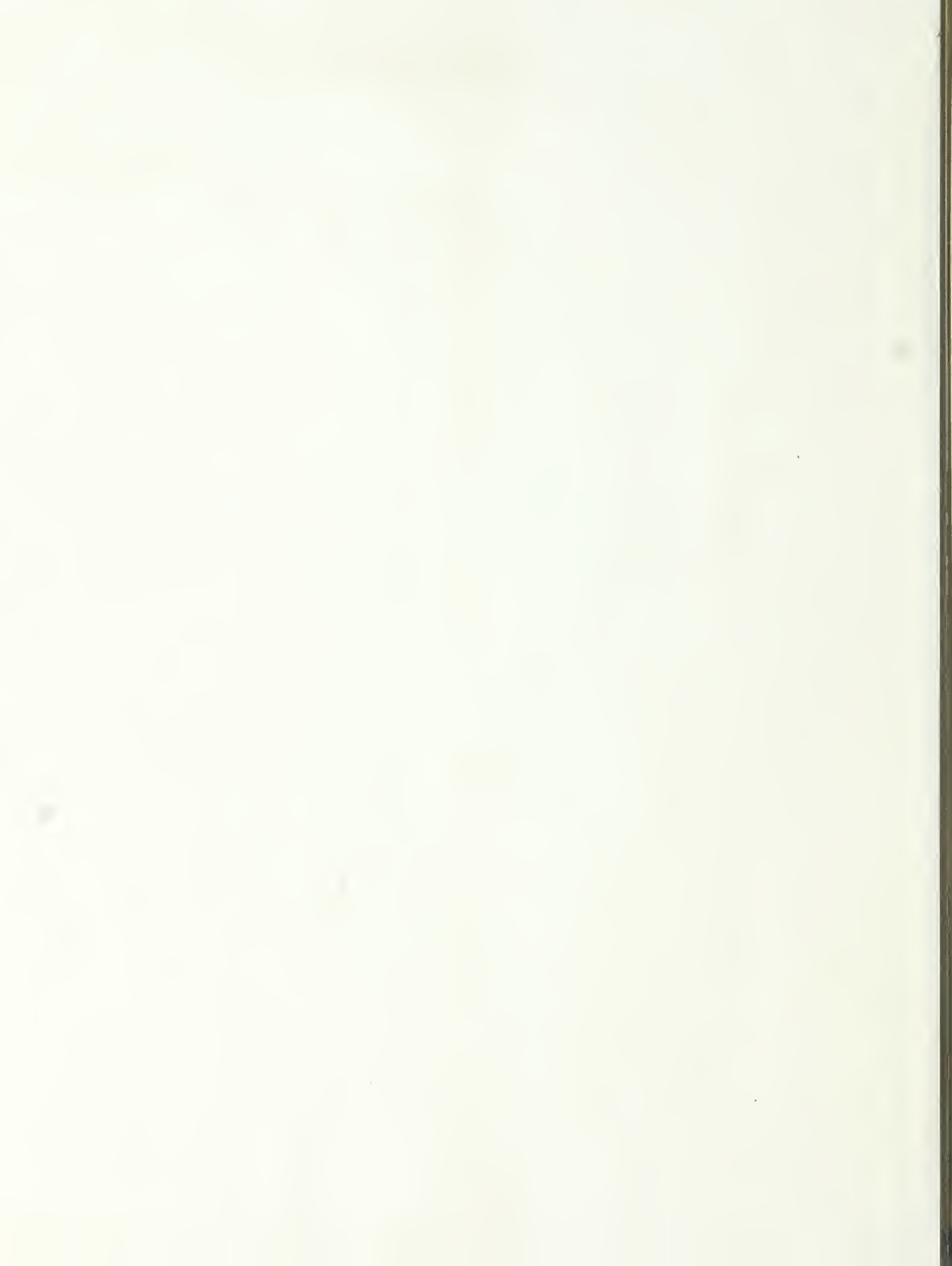




Digitized by the Internet Archive  
in 2014

<https://archive.org/details/b19974760M2744>



THE CHEMIST AND DRUGGIST, JULY 12, 1930.



REGISTERED AS A NEWSPAPER

TELEPHONE: CENTRAL 6565.  
TELEGRAMS: "CHEMICUS,  
ESTRAND, LONDON" (2 words)

PUBLISHED WEEKLY AT 28 ESSEX ST., STRAND, LONDON, W.C.2

SUBSCRIPTION (WITH  
DIARY) 20/- PER ANNUM  
SINGLE COPIES 9d.

No. 2631.

JULY 12, 1930.

Vol. CXIII.



## THE BEST HOUSE FOR ALL PHARMACEUTICAL PRODUCTS

AND FOR PERSONAL SERVICE

*Proprietors of the "Silver Churn" Dairy Preparations*

**OLDFIELD, PATTINSON & Co.**  
TELEGRAMS: "OPIUM."  
TELEPHONES: Blackfriars 4682 (2 lines). MANCHESTER

# Now is the time to buy

## 'TORCH' BRAND

*Effervescent*

# SALINE

ON THE P.A.T.A.

	Wholesale	Retail
4 OZ. (cellophane wrapper)	7/6 doz.	1/- each
6 OZ. (coloured wrapper)	10/- "	1/3 "
8 OZ. (cellophane wrapper)	13/6 "	1/9 "

## Allen & Hanburys Ltd., London, E. 2

Telephone: Bishopsgate 3201 (10 lines).

Telegrams: "Greenburys Edo London."

THE  
**STANDARD TABLET CO.**  
HOVE

*Invite Inquiries for . . .*

*Special Quotations for*  
**PILLS & TABLETS**  
*from . . .*

**LARGE BUYERS**

*Telephone No. :*  
HOVE 1549

*Telegrams :*  
TABULATE, HOVE



**ENO'S 'FRUIT SALT'**



The  
**Free Goods Bonus Offer**  
for a

**Window Display of  
Eno's "Fruit Salt"**

will definitely close on

**July 12, 1930**

If you have not already done so send in your order  
to-day to J. C. Eno Limited 160 Piccadilly London W1



# HELP TO PUT AN END TO THE SUMMER FLY MENACE

Here's the New

## O-Cedar SPRAY



A sweet-smelling liquid, harmless to furniture and fabrics, but instant death to Flies, Fleas, Moths, Vermin, Cockroaches, Bugs, Mosquitoes or any of those creepy, crawly things you and your customers despise.

Here's the New

## O-Cedar SPRAY PUMP



Powerful—  
Practical—Easily  
handled—Under  
perfect control—  
Easily refilled—  
Strongly made—  
Attractively fin-  
ished in bright  
green and red.

*Liberal trade  
terms for both  
these fine O-Cedar  
lines.*

O.T.2

TAKE ADVANTAGE OF  
OUR SPECIAL WINDOW  
DISPLAY CONCESSION  
FOR JULY AND AUGUST

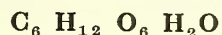
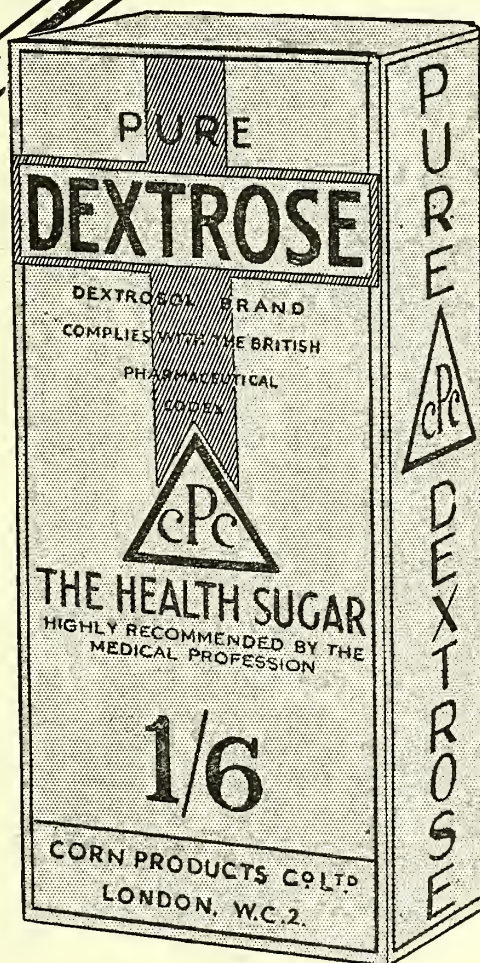
Write to:

**O-CEDAR LTD.**  
SLOUGH, BUCKS.



**DEXTROSOL****DEXTROSE**

(MEDICINAL GLUCOSE B.P.C.)

**The ULTIMATE CARBOHYDRATE**

1. 75% of the children under 14 are deficient in carbohydrates.
2. That deficiency is being corrected by the use of Dextrose.
3. The interest of the medical profession has been established and is being developed by regular advertisements in the Medical Press.
4. The demand is growing. You need stocks to meet it and provide for profitable repeat business.
5. You will be asked for

**DEXTROSOL BRAND**

Packed in attractive cellophane covered packets in cartons containing 6 × 1lb. packets to

**RETAIL AT 1/6 per lb.**

Sample and particulars on application.

*If unobtainable from your  
Wholesaler write*

*Recommended in the treatment of  
acidosis, nervousness, cyclical vo-  
miting, toxæmia, debility, asthma  
in children, undernutrition etc.*

**CORN PRODUCTS CO., LTD.****BUSH HOUSE, ALDWYCH, W.C.2**



# HIRST, BROOKE & HIRST'S

## HOLIDAY

## PAGE



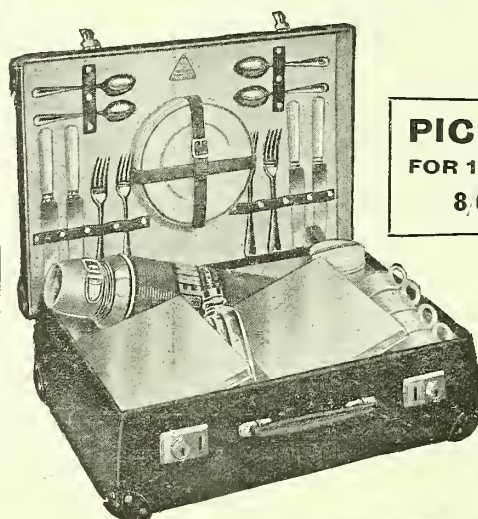
### TRAVELLING COMPANION

Waterproof, Compact and Convenient,  
from 12/9 per dozen

### BATHING CAPS

ASSORTED COLOURS

12/6 per dozen



### PICNIC CASES

FOR 1, 2 or 4 PERSONS,

8/6 to 34/6 nett

### WEEK-END CASES

Assorted Colours,  
Lined Fancy Cretonne

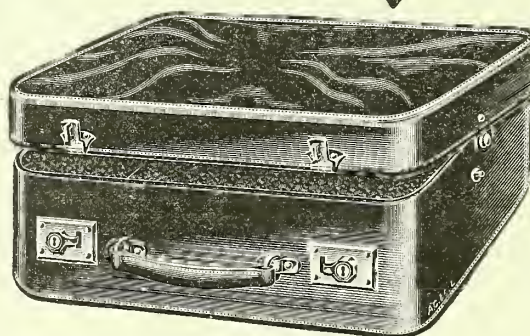
10/- each



### FLASKS

THERMOS, LIPVAC, ETC.,

from 12/6 per dozen nett



WRITE FOR OUR SPECIALITY LIST

TELEPHONE : 20374 (3 lines)

# HIRST BROOKE & HIRST LTD.

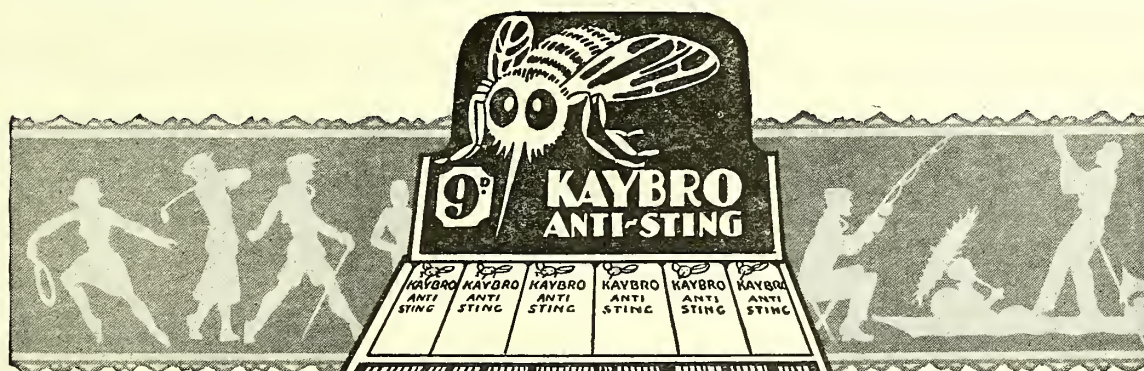
MILGARTH MILGARTH MILGARTH MILGARTH



## INDEX TO ADVERTISERS

Allen & Hanburys, Ltd. ("Torch" Brand Saline) ..... Cover	Capsuloids (1909), Ltd. (Ciefa) .... xi	George, Ernest J. (Valuer, &c.) Col. Supp.
Amo Safety Razor Blade Co., Ltd. .. 24	Cariwright, W. B., Ltd. (Moorland Tablets) ..... 9	Gill, Herbert, & Co. (Scissors) ..... 20
Andersen & Bruuns Factories, Ltd. (Collapsible Tubes) ..... 29	Christy, T., & Co. (So-it-is Denture Powder) ..... xxviii	Gollin & Co. Pty., Ltd. (Aspro) .... 16
Association of Manfg. Chemists, Ltd. Col. Supp.	Clay & Abraham, Ltd. ("Ephedrol") .. xi	Gower, John (Books) ..... Col. Supp.
Auchterlonie, Williams & Co., Ltd. (Bank Loans) ..... Col. Supp.	Clayton Aniline Co., Ltd. (Pharml. Specialities) ..... iv	Griffin & Tatlock, Ltd. (Colton Machines) ..... xxvi
Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) ..... 15	Cook, Geo. (Shopfittings) ..... xix	Grout & Co., Ltd. (Crêpe Bandages) xxiii
Bandoeng Quinine Factories ..... viii	Cooper, Son & Co., Ltd. (Cachets) .. viii	Hackett, S. E. (Film Overstocks) Col. Supp.
Barker, R. W., & Co. .... Leader Page	Corn Products Co., Ltd. (Dextrose) .. 3	Haller & Phillips, Ltd. (Glycerine) .. ix
Battle, J. C. M. (Vermin Killer) .... 29	Cow, P. B., & Co., Ltd. (Advertising Toy Ballcons) ..... xxviii	Hampshire, F. W., & Co., Ltd. (Snowfire Cream) ..... xii
Beecham-Veno Central Distributing Depôt ..... xvii	Cox, Arthur H., & Co., Ltd. (Lano- line Cream, &c.) ..... xxx	Harkness, Beaumont & Co., Ltd. (Disinfectant) ..... ix
Bell, John, Hills & Lucas, Ltd. (Pharml. Preps.) ..... Leader Page	Cuxson, Gerrard & Co., Ltd. ("Regulol") ..... xxviii	Harper, C. W. (Honey) ..... xxviii
Bengué & Co., Ltd. (Bengué's Balsam) xii	Daily Mail ..... 12	Harris, Hart & Co., Ltd. (Glauber Salts, &c.) ..... iv
Berdoe & Fish (Valuers, &c.) Col. Supp.	Dearborn, Ltd. (Toilet Specialities) .. 22	Hewlett, C. J., & Son, Ltd. (Lysol) .. xvi
Blaker, R. S. (Rubber Gloves) ..... xxli	Debaeq & Harrop (Toilet Preps) .. 20	Hinders, Ltd. (Zix-Pads) ..... xxv
Boots Pure Drug Co., Ltd. (Medi- cinal Products) ..... v	Dee Oil Co., Ltd. (Petroleum Jelly) .. xx	Hirst, Brooke & Hirst, Ltd. (Holiday Lines) ..... 4
Bourjois, A., et Cie, Ltd. (Bath Crystals) ..... 21	Dick, W. B., & Co., Ltd. (Liquid Paraffin) ..... xxi	Hobson, Trimble & Co., Ltd. .... xxli
British Drug Houses, Ltd. (Toilet Preps.) ..... Cover	Dominion Steel Corporation, Ltd. (Razor Blades) ..... 24	Hovenden, R., & Sons, Ltd. (Shaving Brushes) ..... 30
British Optical Institute, Ltd. .... xxviii	Dudley & Co., Ltd. (Tripod Stands) xxvi	Hubbuck, T., & Son, Ltd. (Oxide of Zinc) ..... iii
Brook, Parker & Co., Ltd. (Dutch Drops) ..... viii	Duval, J., & Co., Ltd. (Wine Vinegar) xiv	Iglodine Co., Ltd. (Iglodine) ..... xii
Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods) ..... xxli	Energen Foods Co., Ltd. (Cereal Health Foods, &c.) ..... xiv	Imperial Chemical Industries, Ltd. (Chloride of Lime) ..... ii
Burgoyne, Burbridges & Co., Ltd. (Normo-Gastrine) ..... xiii	Eno, J. C., Ltd. (Fruit Salt) ..... 1	Ioco Rubber & Waterproofing Co., Ltd. (Sponges) ..... xxiv
Burkett, Sharp & Co., Ltd. (Drugs, &c.) ..... iv	Evans, Gadd & Co., Ltd. (Drugs, &c.) viii	Jackson, J. P., & Co., Ltd. (Filling Machines) ..... xxvi
Burroughs, J., Ltd. (Alcohol) Leader Page	Evans Sons Lescher & Webb, Ltd. (Menthol) ..... xi	Johnson & Sons Mfg. Chemists, Ltd. (Salines, &c.) ..... iii
Burroughs Wellcome & Co. ('Sketofax') ..... 35	Fairy Dyes, Ltd. (Dyes) ..... xviii	Jones, Wm. Alfred, Ltd. (Kute Rupture Appliance) ..... xxviii
Burt, Boulton & Haywood, Ltd. (Disinfectants) ..... 34	Felling Zinc Oxide Co. (Zinc Oxide) ix	Josephs, Philip, & Sons, Ltd. (Shop- fittings) ..... Col. Supp.
	Fennings, A. (Children's Cooling Powders) ..... Leader Page	
	Fink, F., & Co. (Gums) ..... xxviii	
	Ford, Shapland & Co., Ltd. (Sanitary Paper) ..... xxii	
	Gambles, J. C., & Co., Ltd. (Nuctone) 18	
	Gem Automatic Weighing Machine Co., Ltd. ..... 20	

[Continued overleaf.]



Place your order now for "KAYBRO Anti-Sting"—it is being advertised throughout the Kingdom. Display the attractive counter cartons and take advantage of the demand that our backing will create.

"KAYBRO Anti-Sting" is an ideal Summer line. Takes up little space and gives big returns. Sells quickly with generous profit.



"KAYBRO Anti-Sting" wards off gnats, mosquitoes, wasps, midges, etc., and is invaluable for relieving pain and reducing swelling after being stung.

We are telling the public to get it from you—don't disappoint them.

From your wholesaler, or counter display box of twelve (as illustrated), 6/- post free from the proprietors.

KAY BROTHERS LTD

# KAYBRO ANTI-STING

STOCKPORT ENG



**INDEX—cont.**

Kay Bros., Ltd. (Kaybro Anti-Sting)	5	O'Cedar, Ltd. (Fly Spray)	2	Sier, Voss & Tones (Transparit)	Leader Page
Kerfoot, T., & Co., Ltd. (Mineral Spring)	17	Oldfield, Pattinson & Co. (Pharm. Preps.)	Cover	Smith, T. & H., Ltd. (Chemicals)	vi
King, J. C., Ltd. (Showcases)	26	Oppenheimer, Son & Co., Ltd. (Roboleine)	i	Sorbo Rubber Sponge Products, Ltd. (Sponges, &c.)	24
Kork-N-Seal Agency, Ltd.	xxvii	Orridge & Co. (Valuers, &c.)	Col. Supp.	Souplex, Ltd. (Razor Blades)	25
Lake, H. W., Ltd. (Silk Bandages, &c.)	xxv	Parke, Davis & Co. (Euthymol)	19	Standard Tablet Co. (Tablets)	Cover
Lalor's, Dr., Phosphodyne, Ltd.	xvi	Pazo Co. (Pill Boxes)	xix	Staniform, Ltd. (Ointment)	x
Lennon, Ltd. (South African Agencies)	ix	Perry & Hope, Ltd. (Phosphate of Soda)	xxviii	Stern, H. C. (Gelscha Toilet Paper)	xxiv
Levermore, A., & Co., Ltd. (Precipitated Chalk)	xxviii	Petrolagar Laboratories, Ltd.	x	Sterns, Ltd. (Oils, Petroleum, &c.)	xix
Leyland & Birmingham. Rubber Co., Ltd. (Breast Relievers)	xxiii	Pharmaceutical Lanoline Co.	xxi	Surgical Hosiery Co., Ltd.	xxii
Lofthouse & Saltmer, Ltd. (Tablets)	ii	Photopress (Developing, &c.)	28	Tatcho Laboratories (Hair Preps.)	22
London College of Pharmacy	28	Pitman, Sir Isaac, & Sons, Ltd. (Books)	xxviii	Temmah Products, Ltd. (Blades)	26
Marsden, C. C. (Valuer, &c.)	Col. Supp.	Poth, Hille & Co. (Ceresine Wax)	xxi	Thurley, G. C., & Son (Liquid Paraffin)	xx
Matthews, D., & Sons (Shopfittings)	Col. Supp.	Potter & Clarke, Ltd. (Wholesale Druggists)	31	Tolkien, C., & Co., Ltd. (Malt Extract)	6
Maund, F., & Berg, E., Ltd. (Showcases)	Col. Supp.	Prideaux's, Ltd. (Dried Milk)	xiv	United Chemists' Association, Ltd. (Peroxide Tooth Paste)	34
Maw, S., Son & Sons, Ltd. (Listerine, &c.)	10-11	Prunol Products, Ltd. (Fruit Laxative)	xii	United Glass Bottle Manufacturers, Ltd. (Medical Bottle Service)	xxix
May & Baker, Ltd. (Pharmaceutical Chemicals)	7	Reddgrave Sitara, Ltd. (Liquid Paraffin)	xix	Visol Laboratories (Poultry Remedies)	29
Meade-King, Robinson & Co., Ltd. (Petroleum Jelly, &c.)	xx	Reynolds & Branson, Ltd.	Leader Page	Wagner, R. V. (Bottle Caps)	xix
Millar, A., & Co., Ltd. (Orange Wine)	xxviii	Riley, J., & Sons, Ltd. (Hypo)	ii	Waide, Thos., & Sons, Ltd. (Printers)	32
Mills, H., & Sons (Shopfittings)	24	Roberts & Co. (Robuval)	xiv	Wanie Distributing Co. (Blades)	18
Mirus, Ltd. (Eyebrow Beautifier)	22	Roberts' Patent Filling Machine Co.	28	Ward, T., & Sons, Ltd. (Blades)	25
Muir, W. S., & Co., Ltd. (Transparent Paper)	xxviii	Robinson & Sons, Ltd. (Boxes, Cartons, &c.)	26-xvi	Warrington Chemical & Drug Co., Ltd.	iv
Myatt, W. J., & Co., Ltd. (Myatt Blades)	25	Rodgers, J., & Sons, Ltd. (Blades)	24	Washington Chemical Co., Ltd. (Pattonson's Magnesia)	vii
Napp, H. R., Ltd. ("Merck" Chemicals)	vi	Rowland, A., & Sons, Ltd. (Macassar Oil)	18	Watts, John (Sheffield & London), Ltd. (Razor Blades)	20
National Union of Drug & Chemical Workers	Col. Supp.	Rudduck & Co. (Shopfittings)	Col. Supp.	Waxed Bags, Ltd. (Waxed Paper Bags, &c.)	28
Newbery, F., & Sons, Ltd. (Holiday Accessories)	22	Rutherford, J., & Co., Ltd. (Toilet Rolls)	xxv	Webster, T., & Co., Ltd. (Milk Bottle Cover Remover)	xx
Newton, Chambers & Co., Ltd. (Izal)	xxiv	Sangers, Ltd. (Nildé Preparations)	23	Westminster College of Pharmacy	28
Norwegian Cod Liver Oil	xv	Scott & Turner, Ltd. (Andrews Liver Salt)	xvi	Whitaker & Co. (Kendal), Ltd. (Hat Dyes, Household Dyes)	15
Numol, Ltd.	xiv	Scruton, O., & Co. (Nurse Harvey's Mixture)	26	White, Tomkins & Courage, Ltd. (Oil of Lemon, &c.)	18
		Scurr, C. A. (Optical Tuition)	28	Woolley, J., Sons & Co., Ltd. (Manif. Chemists)	Cover
		Selo Advertising Dept. (Selo Roll Film)	27	Wrigley, Paterson & Co., Ltd. ("Superlin" Disinfectants)	x
		Shadeine Co. (Hair Dyes)	xxviii	Zeal, G. H., Ltd. (Clinicals)	xxiii
		Shell-Mex, Ltd. (Technical Products)	8		
		Sherley, A. F., & Co., Ltd. (Dog and Cat Medicines)	29		

# MALT EXTRACT

## (AND COMBINATIONS)

# FOR ALL PURPOSES

## HOME & EXPORT



**C. TOLKIEN & Co., Ltd.**

Malt Extract Makers,  
SILSDEN, Yorks.

Supplies of our  
**FINE CHEMICALS**  
**PHARMACEUTICAL**  
**PRODUCTS**

and  
**THERAPEUTIC**  
**SPECIALITIES**

can be obtained  
**ALL OVER**  
**THE**  
**WORLD**



**MAY & BAKER**  
 LIMITED



We have  
 our own  
 Houses in :

**INDIA**

MAY & BAKER  
 (INDIA), Ltd.

Calcutta Bombay  
 Madras Rangoon  
 Delhi

**CANADA**

MAY & BAKER (CANADA),  
 Ltd., Montreal

and Representatives in :

**AUSTRALIA**

F. C. Marrington, 72 Pitt St., SYDNEY

**CHINA**

Andersen, Meyer & Co. - SHANGHAI

**MALAYA & SIAM**

Arthur Jenkins, P.O. Box 301, SINGAPORE

**EGYPT**

J. P. Sheridan & Co., P.O. Box 1764, CAIRO

**PALESTINE & SYRIA**

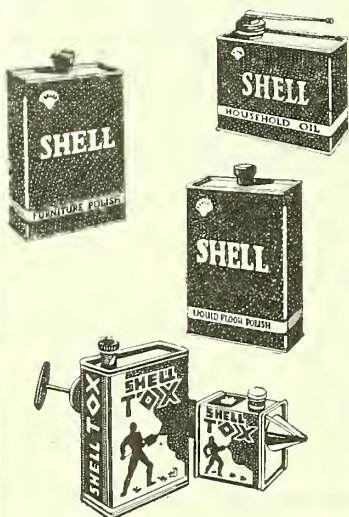
American-English Products Agency, TEL-AVIV ; BEYROUTH



# "Oh! *SHELL* polish of course!"

That's what the housewives are saying now. Up and down the country it's Shell they're after—the polishes; Shelltox; and all the new Shell Home Products.

They intend to have them! Will they get them from YOU?



# SHELL

SHELL MEX LTD. (TECHNICAL PRODUCTS DEPARTMENT),  
6 Great St. Helens, London, E.C.3.

M.C.43



CUSTOMERS make business. Customers build goodwill. Every customer you win is a profitable asset to your business. They help you to succeed. So why not secure the New customers which the forceful advertising for the famous Moorland Indigestion Tablets is sending to you? This advertising is a voice that is persuading and convincing the most apathetic. It is a mighty force which is forcing up the sales of these famous tablets. It is sending more New customers to You. Do you want them? If you do, make a display of Moorlands and link up your pharmacy with this big selling effort.

PUT A DISPLAY IN YOUR WINDOW  
SO THAT THE PUBLIC MAY SEE THEY  
CAN BUY THEIR MOORLANDS FROM  
YOU. WE HAVE A VERY GOOD SUPPLY  
OF SHOW - MATTER AVAILABLE.

W. B. CARTWRIGHT LTD.  
RAWDON NEAR LEEDS.

# LISTERINE

Brand

## ANTISEPTIC

P.A.T.A. Prices :

Orig. Cases	Size	Retail Price	Wholesale Price
4 doz.	3 oz.	1/6 each	13/6 doz.
2 doz.	7 oz.	3/- each	27/- doz.
1 doz.	14 oz.	5/6 each	49/6 doz.

Less 5% Monthly Account.

Special Discount :

1 case assorted as desired less extra 5%  
and 5% Monthly Account.

# LISTERINE

## TOOTH PASTE

*As from April 14th, Retail Price 1/3 per tube.*

Wholesale Price 10/- per doz. less 5% monthly account  
(or 9/6 per doz. net).

ON OUTLAY A CLEAR PROFIT OF

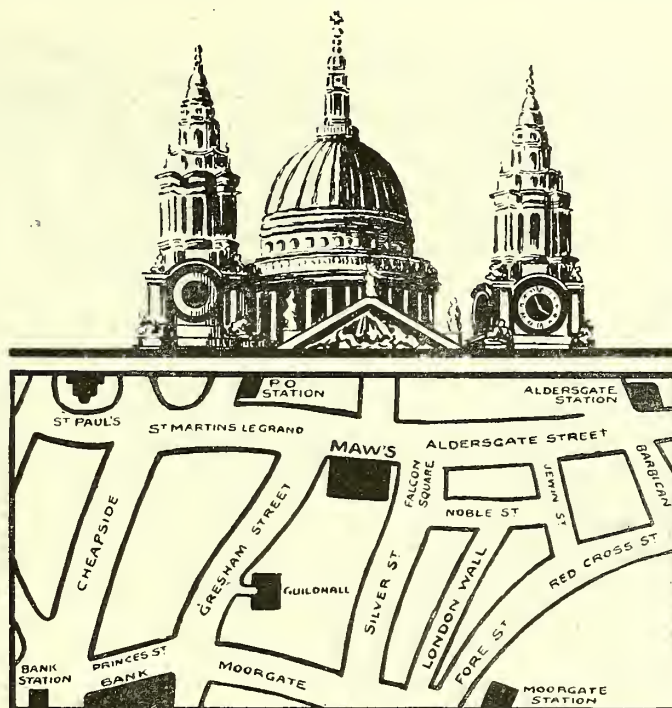
# 58%

S. Maw, Son & Sons, Ltd.,  
Aldersgate St., London,  
and Barnet.

*Selling Agents for*

*Great Britain and Ireland*





At the hub of the Universe, in the very heart of the City of London, under the wing of St. Paul's and in the shadow of the famous hospital of St. Bartholomew—there is the House of Maw with its showrooms, the home of new pharmaceutical sundries, the birth-place of new business ideas, the Mecca of the progressive pharmacist.

No pharmacist can afford to pass the doors of the House without visiting these showrooms, or,

indeed, to visit London without setting aside some time in which to gather for his own profit the fruits of the efforts of an army of experts which are displayed there. There is always something interesting, always something profitable to be seen. Just now, it is the newest of the Christmas goods and a number of special lines that will commence to sell immediately the Summer Holiday Season is over. Make this promise to yourself: "Next time I am in town, I'll drop in at Maw's."

**S. Maw, Son & Sons, Ltd.,**  
Aldersgate St., London,  
and Barnet.







## THE BOOK THAT BUILDS BIGGER BUSINESS!

Sir William Crawford, K.B.E., says:—

"The basis of big business is accurate statistics." Till to-day no manufacturers or wholesale dealers had at their disposal the exact facts regarding the population, occupations, incomes and savings of the British people.

In 'Sell to Britain through *The Daily Mail*'—the first comprehensive analytical study of the British Isles as a market ever published—this vital want is supplied. It is an accurate and exhaustive survey compiled by Experts for *The Daily Mail*. Every area of Great Britain is separately analysed and carefully studied. It will be a vital element in every selling campaign in the future. No director, sales manager, or advertising manager of any manufacturing business can afford to be without this veritable encyclopædia of business information.

Everything that need be known of any sales territory in Great Britain can be ascertained by a glance at this wonderful volume of facts, figures, charts, maps and diagrams.

Application by a director or other responsible executive should be made to the  
**ADVERTISEMENT DIRECTOR, "THE DAILY MAIL"**  
**NORTHCLIFFE HOUSE • LONDON • E.C.4**

### FREE TO EXECUTIVES

Although the publication price is £2 2s., a copy of 'Sell to Britain through *The Daily Mail*' will be sent free of charge to any firm considering, or about to embark on, a national advertising campaign in *THE DAILY MAIL*.



# MILLIONS OF STRAW HATS

(Universally worn this STRAW HAT YEAR)  
now require a change of colour or renovation with

## LUTON STRAW HAT DYES

(The Chemists' Standard Hat Dye, 12/- per doz. Retail P.A.T.A. 1/4), while

# MILLIONS OF SUMMER GARMENTS

also require to be dyed PERFECTLY and HARMLESSLY with

## AUROLAL COLD WATER DYES

(The Fastest Selling Cold Water Dye, 4/- per doz. Retail P.A.T.A. 6d.)

These Dyes require NO BOILING and are splendid for all Dainty Fabrics, especially Artificial Silks, whether Viscose or Acetate (including Celanese).

**IS YOUR RANGE COMPLETE WITH THE THREE  
NEW SHADES—BLACK, BROWN AND BEIGE?**

**VERY SPECIAL  
PRICES & DISCOUNTS**

**are also allowed to  
Overseas Buyers**

*Write for Export Catalogue*

### NOTE THE PROFIT:

All orders subject to 5% for Cash in 7 days.

£4 Assorted orders subject to 2½% in addition to 5% for Cash in 7 days (=OVER 52% on outlay).

£8 Assorted orders subject to 5% in addition to 5% for Cash in 7 days (=OVER 57% on outlay)

*For Patterns and Particulars of a Full Range of Stains, Varnishes, Colours and Dyes for all purposes, write TO-DAY to*

**WHITAKER & CO. (KENDAL), LTD.,** Dye Specialists for Chemists **KENDAL, ENG.**

## LEASE of IMPORTANT CITY OFFICES for SALE

WITH VACANT POSSESSION

42 CANNON STREET, E.C.4

In consequence of the recent amalgamation of Messrs. Morgan Brothers (Publishers), Ltd., Proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," with The Engineer, Ltd., Proprietors of "THE ENGINEER," the offices of the three journals have been moved to new and more commodious freehold premises, which have been acquired at 28-31 Essex St., Strand, W.C.2. The lease of the entire premises at 42 Cannon Street, of which the four well-lighted upper floors have been in the occupation of Morgan Brothers (Publishers), Ltd., the Ground Floor and Basement being sub-let to the Aerated Bread Co., Ltd., is in consequence for sale.

Alternatively, the four upper floors (which have also an entrance to Garlick Hill), having a total area of about 7,000 ft., would be let.

The premises are in good order. Rent £2,000 per annum, inclusive of rates.

For further particulars, apply to Messrs. FAREBROTHER, ELLIS & CO.  
29 FLEET STREET LONDON, E.C.4  
or to HENRY BUTCHER & CO., 63 & 64 Chancery Lane, London, W.C.2

## Lease of Imposing Offices for Sale

WITH VACANT POSSESSION

33 NORFOLK  
STREET - -  
STRAND, W.C.2

For further particulars  
apply to  
WHATLEY, HILL  
& CO., 24 Ryder St.  
St. James's, S.W.1

In consequence of the recent amalgamation of THE ENGINEER, LTD., proprietors of "THE ENGINEER," with MORGAN BROTHERS (PUBLISHERS), LTD., proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," the offices of the three journals have been transferred to new and more commodious freehold premises which have been acquired at 28-31 Essex Street, Strand, W.C.2.

The remainder of the lease, covering a further twenty-five years, of the present offices of "THE ENGINEER," at 33 Norfolk Street, Strand, W.C.2, is in consequence for sale. This particularly well-lighted, five-storey building has an area of 8,200 sq. ft., and occupies a site at the corner of Norfolk and Howard Street, adjacent to the Temple Station, whence Westminster and the City may be reached in a few minutes. The building is of modern construction and has a fine and distinctive elevation. It is in good order throughout. Rent £1,600. Moderate price.





Cool and Refreshing  
Fragrant and Invigorating  
as the air from snow-capped mountains

Ayrton's latest introduction is as modern an example of design for the purposes of the up-to-the-minute Chemist as it is possible to achieve. Modernistic design and rendering hitherto attached only to the highly expensive article has now been used by Ayrton's for a Counter-Speciality retailing at the popular prices of 7½d. and 1/-

### Iced Eau de Cologne

Modern in the idea of associating a cooling diffusible component such as menthol, with a perfume so universally used as Eau de Cologne. Modern Sprinkler neck

bottle, with bright plated screw cap with efficient Cork Wad. Modern in design and lettering; wonderfully attractive and attention compelling. The display box and label simulates ice blocks rendered in white and blue (the coolest of colours), the latter in a shade only recently available in printer's ink. A wrapping of clear cellophane finishes a proud ensemble. Modern in price, and therefore available to the great general public from whom the chemist gets his best support.

Retail 7½d., per dozen 4/6. Retail 1/-, per dozen 7/6.

Sample dozen of either sent post free at these rates.

AYRTON  
SAUNDERS  
& Co. Ltd.

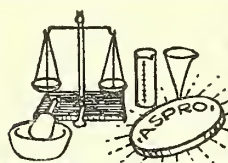
PRE-EMINENT  
IN  
PACKED GOODS

34 HANOVER STREET

TELEPHONE: ROYAL 4861

LIVERPOOL, ENG.





# The 'Aspro' Review

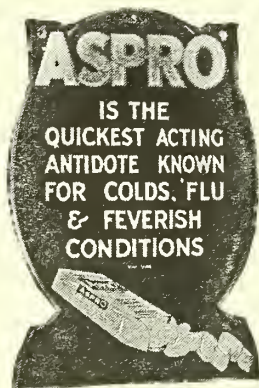


17% Extra Profits.

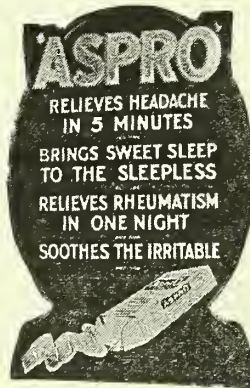
"British to the Core"

New Series Display Features.

**Send COUPON below for this New  
'ASPRO' Window Display**



Printed in ten  
colours



**By featuring 'ASPRO' Displays in your window you link up your store to the largest Medicine Publicity Campaign in the World**

Following the success of our recent Man-Nurse and Child Display for Chemists and the many letters of appreciation received we have pleasure in announcing a new 3-piece series now ready for distribution. These productions combine suggestion and reasons why customers should enter your store to purchase 'ASPRO.' The sooner you co-operate by featuring 'ASPRO' Displays—the greater is your opportunity of benefiting by the consumer demand created by our huge advertising campaign. Be first in the field by showing this new 3-Piece Display. Simply fill in name and address and post to Gollin & Co. Pty. Ltd., "Aspro" Dept., Slough, Bucks. The displays will be despatched to you promptly.

**17% Extra through buying  
'ASPRO' on Bonus Terms.**

The 'ASPRO' bonus on unstamped 'ASPRO' is as follows:— On a one gross order for 10's the bonus is one dozen packets; on half-gross order,  $\frac{1}{2}$  dozen packets. Half-gross 10's is the minimum order accepted for Bonus purposes. On a 1 gross order for 27's the bonus is 2 dozen packets, on a half-gross order 1 dozen packets, and on a quarter-gross order  $\frac{1}{2}$  dozen packets. A quarter-gross order is the minimum quantity. There is no bonus on 5's or 60's.

The conditions are that the Chemist who buys on these terms undertakes to display 'ASPRO' Advertising matter in his shop window for 14 days, and sell at advertised prices. As 'ASPRO' is so extensively

advertised, this action will not only bring customers into the Chemist's shop to purchase 'ASPRO,' but should enable the chemist's staff to make other sales to these customers. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices. For Bonuses it is not necessary to buy both sizes at the same time, i.e., single lots 6 dozen 10's or 3 dozen 27's will qualify the Chemist.

You order as follows:—We do not sell direct to the Chemist. All our business goes through Wholesalers. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler, so that we may forward the order on and the Bonus will be supplied direct by us.

**Ordinary prices for unstamped  
'ASPRO' are as follows:—**

3d. size (containing 5 tablets)	2/3 doz.
6d. " (containing 10 tablets)	4/6 "
1/3 " (containing 27 tablets)	11/6 "
2/6 " (containing 60 tablets)	21/- "
Less 2½% 30 days.	

NOTE.—The 1/3 size contains two extra tablets. 2/6 size ten extra tablets.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made by ASPRO LIMITED,  
SLOUGH, England.

Agents:

**GOLLIN & CO. PTY. LTD.**  
( 'Aspro' Dept.),  
**SLOUGH, BUCKS.**

'Phone: Slough 608.

No proprietary right is  
claimed in the method  
of manufacture or  
the formula.

**COUPON for New 3-Piece 'ASPRO' Display.**  
GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), SLOUGH, BUCKS.  
Please send me above displays.  
Name.....  
Address.....



G.D.





## A Good Product—A Good Display

### *A Pharmaceutical Sales Policy*

"**M**INERAL SPRING" is one of the very few nationally known salines with a definitely pharmaceutical selling policy. Its quality ensures "repeats." Its sales policy ensures that the chemist reaps the benefit. Specialise in "Mineral Spring" because, by

doing so, you build up your own good-will. Keep this window show prominently before your customers—it tells the story naturally but effectively. Counter cards and wrappers printed with name and address are also available. Fuller particulars on request.



To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents  
Wm. ALFRED JONES Ltd., West India House, Liverpool

**THOMAS KERFOOT & CO. LTD.**  
BARDSLEY VALE, LANCASHIRE,  
& Bardsley House, London, N.1  
ESTABLISHED 1797.

D/851

COPYRIGHT



# OIL of LEMON SOLUBLE OIL of LEMON TERPENELESS OIL of LEMON SESQUITERPENELESS OIL of LEMON

The high standard of **QUALITY** invariably maintained by each of these Lemon products is such as to ensure true **ECONOMY** in use—as well as the maximum of effectiveness for its individual purpose. *Therefore, if it's Lemon, ask*

## WHITE, TOMKINS & COURAGE, LTD. REIGATE Surrey

### Women are delighted with this hair-tinting method

Many women learn about Nuctone first of all from their hairdresser. And knowing how easy it is to apply, how sure the results, and, above all, how *safe* it is, they give themselves further treatments at home. That's where *you* come in! But you can be the first to introduce Nuctone to your customers too—you know that Nuctone is absolutely safe on the most sensitive scalp, because it is guaranteed free from poisonous ingredients. Tell your customers that Nuctone gives back the natural youthful colour to the hair, and that Nuctone-tinted hair is unaffected by exposure to fresh air or frequent shampooing.

## NUCTONE

### FOR GREY HAIR

**GRADUAL** In four shades—Nuctone and Nuctone Concentré, Nuctone Eclairé and Eclairé Concentré.

3/9 per bottle, 32/- per dozen.  
6/6 per bottle, 52/- per dozen.

**INSTANTER** In nineteen natural shades.  
4/6 per tin, 33/- per dozen.  
6/6 per tin, 48/- per dozen.

*Order through your usual wholesaler, or from*

**J. C. GAMBLE & CO., LTD.**

211 BLACKFRIARS ROAD, LONDON, S.E.1

### Tried & Proved

Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 137 years and everywhere it is held in the highest esteem. It is guaranteed to

contain no  
injurious  
substance

P.A.T.A.

3/6, 7/-

& 10/6

Red for  
dark hair;  
golden for  
fair or  
grey hair.  
From all  
Wholesalers



## Rowland's Macassar Oil

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1



**IF IT  
SHAVES  
IT'S  
WANIE**

**The Blade that SELLS as it SHAVES—  
“LIKE GREASED LIGHTNING!”**

*Obtainable from all leading Wholesalers.*

**FREE SAMPLE ON REQUEST**

Dept. C.D., WANIE DISTRIBUTING Co., 89 Aldgate High St., E.C.3  
North'n Distributors: S. KALISKY (Aldgate) Ltd., 16 Withy Gv., Manch'r.  
Irish Free State Agents

Messrs. W. A. FREEDMAN & CO., 21 Merchant's Quay DUBLIN



## ALWAYS ON THE MOVE

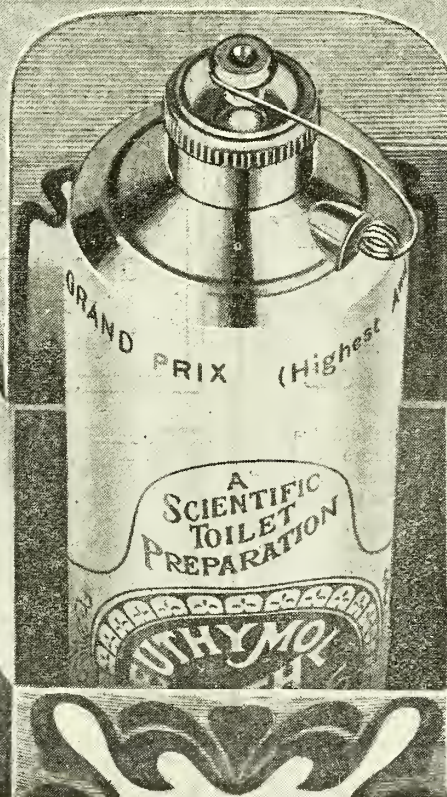
**T**HERE is plenty of energy about Euthymol Tooth Paste. When it is not confined in a drawer or hidden away in the stock room, it is always on the move.

That is why so many chemists give Euthymol its chance. They know that a one-dozen display-outer permanently shown on the counter pays much more than its own rent. They often give a good window-show of Euthymol (some have permanent displays) because they find that by doing so their sales increase.

**Now** is an excellent time for you to show Euthymol a little more prominently than usual. Many holiday-makers are getting their luggage together.

We have special terms for quantities.

Send for particulars to:  
**PARKE, DAVIS & CO.**  
50 Beak Street, London, W.1.





The original combined Cream and Powder

la **VELOUTY**

de **DIXOR** Paris



*The advertised line that you are asked for.*

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—Full size pot -	21/- doz.	RETAIL	2/9
Super tube -	22/- "	"	3/-
Large tube -	14/- "	"	2/-
Medium tube -	7/- "	"	1/-
Handbag tube -	3/- "	"	6d.

*Made in four shades :*

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents :

**DEBACQ & HARROP,**

68 Newman Street, Oxford Street, London, W.1.

*Sole Distributors for*

Northern Ireland : **ROBERT MAYRS & CO.**, 43 Chichester Street, BELFAST  
Irish Free State : **MAY ROBERTS & CO. LTD.**, Grand Canal Quay, DUBLIN

They cost more  
because  
they



THE  
NEW  
WATTS  
"MIRROR"  
are  
worth more **BLADES**

These wonderful blades with their

**RUSTLESS REINFORCED EDGES  
OF STAINLESS STEEL**

treated by a secret process are worth the extra cost. They are keener and give more and better shaves than any others on the market. The Edges are absolutely rustless in any climate.

**WATTS "MIRROR" BLADES**

Packed in Patent Spring Lid  
Nickelled Containers of

**10 for 5/-**

Also in Cardboard  
Cartons of

**5 for 2/6**

Giving the retailer 66 $\frac{2}{3}$ % **PROFIT** on cost

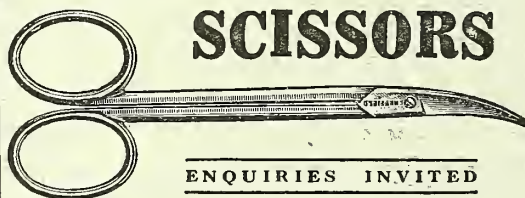
**JOHN WATTS**

SHEFFIELD AND LONDON  
LIMITED

**LAMBERT WORKS - - SHEFFIELD**

Established over 150 years

LONDON : 18 SOHO SQUARE, W.1



**SCISSORS**

ENQUIRIES INVITED

**GILL, HERBERT & CO., Ltd.**

CUTLERY MANUFACTURERS,

Wheeldon Street, SHEFFIELD



Let the "GEM"  
make money for you

Write for particulars and  
name of local agent to the  
manufacturers :—

THE **GEM**  
AUTOMATIC WEIGHING  
MACHINE COMPANY  
LIMITED

46 NEW CITY ROAD  
GLASGOW C.4



**The SEASON'S  
GREATEST  
SUCCESS!**



# **BOURJOIS BATH CRYSTALS**

SELLING **1/-** PRICE

A guaranteed water softener  
—immediately soluble. Can  
be displayed with impunity  
—will not deliquesce. Mar-  
vellous value. In the popular  
odours, Verbena, Eau de  
Cologne and Lavender.

*This large deep bottle full  
of beautifully tinted crystals  
of first-class quality.*

**SEND YOUR ORDER NOW.**

Cat. No. 2652. Trade Price 8/- doz.  
(Minimum quantity in any single odour — half a dozen.)

**A. BOURJOIS et CIE LTD 4 Water Lane LONDON, E.C.4.**  
PARIS NEW YORK SYDNEY WELLINGTON.



# DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

Telephone: HOLFERN 9669

## Toilet Specialties.

	Price per doz. to Retailer	Selling Price P.A.T.A.
<b>PILENTA SOAP</b> .. ..	10/-	1/-
A complexion soap,		
<b>PROLACTUM</b> .. ..	10/-	1/-
For the lips,		
<b>PARSIDIUM JELLY</b> .. ..	10/-	1/-
For wrinkles,		
<b>ALLACITE OF ORANGE</b>		
<b>BLOSSOM</b> .. ..	22/6	2/6
A dressing cream,		
<b>BORANIUM</b> .. ..	22/6	2/6
A hair tonic,		
<b>CLEMENITE</b> .. ..	22/6	2/6
For a face lotion,		
<b>COLLIANDUM</b> (Powder & Solide.)	22/6	2/6
For a face tint,		
<b>PERGOL</b> .. ..	22/6	2/6
A deodorant,		
<b>TEKKO PASTE</b> .. ..	22/6	2/6
Camphor cream,		
<b>STALLAX</b> .. ..	13/6	1/6
For a shampoo,	22/6	2/6
<b>JETTALINE</b> .. ..	31/6	3/6
For clearing the skin		
<b>PHEMINOL</b> .. ..	36/-	4/-
A depilatory,		
<b>MENNALINE</b> .. ..	36/-	4/-
For the eyelashes,		
<b>MERCOLIZED WAX</b> .. ..	18/-	2/-
A face cream,	31/6	3/6
<b>STYMOL</b> .. ..	36/-	4/-
For oily complexions and blackheads,		
<b>SILMERINE</b> .. ..	22/6	2/6
Hair-curling fluid,		
<b>BARSYDE</b> .. ..	22/6	2/6
Dandruff eradicator,		
<b>TAMMALITE</b> .. ..	22/6	2/6
For grey and faded hair		
<b>LIQUID PERGOL</b> .. ..	31/6	3/6
To check excessive perspiration locally,		
<b>BICROLIUM</b> .. ..	22/6	2/6
For whitening the hands,		
<b>COCONOIDS</b> .. ..	31/6	3/6
For figure development,		
<b>SIPOLITE</b> .. ..	18/-	2/-
A new depilatory,		

### The Products of

Messrs. PARKER, BELMONT & CO.

<b>CLYNOL BERRIES</b> .. ..	36/-	4/-
For obesity,		
<b>SOFT PALERIUM</b> .. ..	45/-	5/-
For wrinkles,		
<b>LIQUID NAIL POLISH</b> .. ..	10/-	1/-
Brilliant and lasting,		

Stocked by ALL Wholesale Houses.

### FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

South Africa: LENNON, LTD., Cape Town, etc.  
SIVE BROS., & KARNOVSKY, LTD.,  
India: FRAMJEE & SON, Bombay. Johannesburg.  
A. L. CHOUDRY, Calcutta.  
New Zealand: SHARLAND & CO., Auckland and Wellington.  
Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

# HOLIDAY ACCESSORIES



KEEP UP YOUR STOCKS OF  
**BATHING CAPS, SPONGES,  
SPONGE BAGS, SUN GLASSES,  
AND TOILET COMPANIONS**

YOUR DAY-TO-DAY REQUIREMENTS  
OF THESE CAN BE FILLED FROM

**"NEWBERYS"**  
(F. NEWBERY & SONS LTD.)

**CHARTERHOUSE SQ., LONDON, E.C.1.**  
Tredegar House, CARDIFF. College Lane, LIVERPOOL.

## TATCHO Sample Size 6<sup>d</sup>

THE  
**HAIR RESTORER**

PROMOTES, PRODUCES, 1/3 size .. 12/6 per doz.  
BEAUTIFIES THE HAIR 2/9 size .. 26/- per doz.  
TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

## 1/3 PROFIT ON EVERY BOTTLE SOLD

The new eyebrow beautifier, "PERM BROW," has gained the instant approval of smart women everywhere. It is waterproof, does not rub off, is easy to apply, and lends a lasting charm.

## PERM BROW

Our consistent consumer advertising has created an increasing demand. Get a stock now—every bottle gives you 1/3 PROFIT!

Obtainable from all wholesale houses or direct from our West End sales office:—

**MIRUS LTD., 53a MADDOX STREET, W.1**



EVERY WOMAN

WANTS THE

*New* **NILDÉ**

SELF COMPACTING BOX



SELLING AT  
**4/-**  
COMPLETE  
WITH POWDER  
AND PUFF

P.A.T.A.  
less **33 $\frac{1}{3}$ %**  
DISCOUNT  
TO TRADE

A powerful press campaign is telling women about the Nildé soft compact. It is emphasising that hard compacts, coarse grained because of the preparation used in binding the powder, are harsh to the skin. Women know now that they can make their own compacts—soft

compacts with the Nildé self-compacting box. The user's own powder goes into the compacting case, the disc behind the puff is rotated, this presses the powder flat, and there is the compact. All the advantages of a hard compact with none of its draw-backs.

This is the compact to break all sales records.  
It is the easiest line you have ever had to sell.

STOCK UP NOW  
AND BE READY  
FOR THE GREAT  
DEMAND

**NILDÉ**

Sole Agents in U.K.:  
SANGERS, LTD.  
258 Euston Road  
LONDON, N.W.1





The most absorbent Rubber  
Sponge in the world . . . .  
Delightfully soft . . . . Free  
from grit . . . Never gets foul  
Improved by soap . . . . .  
Invaluable in the sick room .  
Lasting qualities.

**IT NEVER CRUMBLES.**

Also  
**SORBELLE**

SORBELLE is the newer Sorbo range of Sponges, having all the Sorbo consistency and softness, but is offered at prices to meet foreign competition. Sorbelle, although offered at low prices, is nevertheless a GENUINE SORBO PRODUCT.



Sole Manufacturers:  
**SORBO RUBBER-SPONGE PRODUCTS LTD.**  
Phone: Woking 966      SORBO WORKS, WOKING, SURREY      Grams: "Sorbo, Woking."  
London Office and Showrooms: 50, PALL MALL, LONDON, S.W.1.      Phone: Regent 4620.

**AMO** THE INCOMPARABLE  
BLADE THAT SHEWS  
120% PROFIT



DISPLAY  
AND SELL  
"AMO"  
SHAVING  
PRODUCTS

Nationally Advertised. OBTAINABLE OF ALL WHOLESALERS.  
FREE SAMPLE BLADE AND ILLUSTRATED LIST ON APPLICATION TO—  
**AMO SAFETY RAZOR BLADE CO., Ltd.** Broad St. House  
LONDON, E.C.2



Kept **BEST**  
by Test—  
a scientific test  
that reveals the  
least variation  
from RODGERS'  
inimitable  
standard.

Write for full details

**JOSEPH RODGERS & SONS, Ltd., SHEFFIELD.**  
Cutlery to His Majesty.

**OVER 53% !!** This Profit on your outlay is guaranteed to you by  
**The FLEET Blade**



A Sheffield  
Product from the  
Molten Steel to the  
Finished Blade.

Retails at 3 for 7½d.

Liberal trade-making samples  
given to new stockists.

Bonus offered for Window  
Displays.

Sample and terms from sole makers—

**DOMINION STEEL CORPORATION, Ltd**  
Fleet Works, Queen's Road, SHEFFIELD.

**THE PREMIER  
CHEMISTS' SHOPFITTERS**

Specialists in Design and Manufacture of  
**CHEMISTS' SHOPFRONTS & FITTINGS**

Established over half a century.

**SHOW-CASES**

For Immediate Dispatch

**H. MILLS & SONS, LTD.**  
163-5 OLD ST., LONDON, E.C.1.



Moderately priced—  
yet unsurpassed  
at ANY price

# MYATT

## DAYMARK BLADES

*For double-edge razors*

Five for 1/3  
**50%** PROFIT  
ON COST

*Sole Manufacturers*

**W. J. MYATT & CO., LTD.**  
BIRMINGHAM

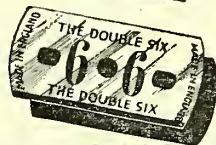
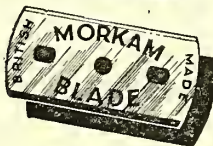
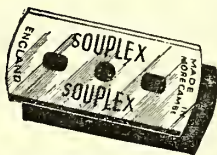
# ORDER THESE BLADES NOW!

*New  
Low Prices  
offer big  
inducement  
to Shavers  
LOOK!*

**SOUPLEX 2<sup>D</sup>**  
Profit to you on  
buying price **92%**

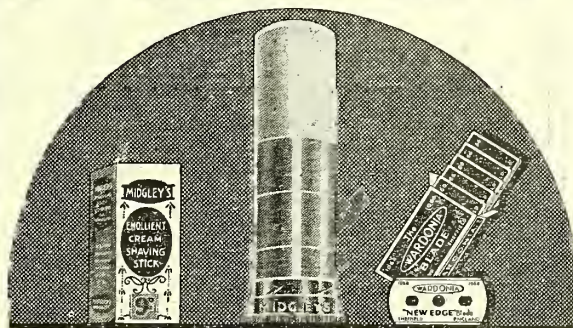
**MORKAM 1½<sup>D</sup>**  
Profit to you on  
buying price **72%**

**DOUBLE SIX 1<sup>D</sup>**  
Profit to you on  
buying price **50%**



Souplex Ltd., Morecambe

# FREE!



Genuine 9d. Midgley's Full-size  
Shaving Stick with each 1/3d.  
packet of Wardonia "New Edge"  
Blades purchased.

That's the offer thousands of retailers are  
making good profits on. Widely advertised in  
the National and Provincial Press. Generous  
supply of Window and Counter Display Matter  
FREE with every order. Delivery guaranteed  
of first order whatever quantity, so order  
generously and at once from your usual  
wholesaler or direct

**Enormous Demand**  
*Order at once*  
**50% PROFIT  
FOR YOU**

## TRADE TERMS:—

- 1 to 4 Cartons  
(per carton) 21/-
- 5 Cartons  
(per carton) 20/-
- 10 Cartons  
(per carton) 19/-
- 20 Cartons  
(per carton) 18/-

*How Packed:*  
In attractive Display Carton  
CONTAINING—

**24—PACKETS of 5  
WARDONIA Blades  
& 24-9d. Midgley's  
Shaving Sticks.**

RETAIL VALUE OF  
ABOVE CARTON **30/-**



**FOR TWO MONTHS ONLY**

*Sole Makers:*

**THOMAS WARD & SONS LTD**

Wardonia Works, Sheffield, England





**ROBINSON'S of  
CHESTERFIELD**  
*for*  
**CARDBOARD  
BOXES**  
ROUND • OVAL • SQUARE • FOLDING  
ROBINSON & SONS LTD.  
CHESTERFIELD & LONDON




**BEADED BOXES**

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance. Fitted with a flanged metal lid which is easily lifted out they form a very useful container. Blank panel on reverse side for printing in Customer's name and address.

**ROBINSON & SONS, Ltd.**  
Manufacturers of ROUND, OVAL, SQUARE AND FOLDING  
CARDBOARD BOXES.

**CHESTERFIELD**

**KING'S FOR  
SHOWCASES**



No. D.S.I. Solid oak or mahogany frame glass counter. First quality drawn plate glass front, top and sides, with two clear glass sliding doors at back. Interior fitted with standard bars and brackets and one row of plate glass shelves, polished all round.

Size over all: 6ft. long x 3ft. high x 2ft. back to front.

Ex-works. **£11 10s.** Insured free in transit.

SEND AT ONCE for FULL LIST No. 1013 post free.  
**J. C. KING, LTD.**  
42-60 GOSWELL ROAD, LONDON, E.C.1.  
Phone: Clerkenwell 2317 (5 lines).

**2D.  
EACH**

**TEMMAH**

To-day's most popular

**SAFETY RAZOR BLADE**  
TO FIT ALL 3-PRONGED HOLDERS

Compare with other makes **THE PROFITS YOU EARN** on these terms:—  
**15s. Per Gross, less 10% Discount**  
CASH WITH ORDER OR C.O.D.  
**PLUS BONUS OF 2 DOZ. PER GROSS.**  
Orders executed on S/R basis nett.

**TEMMAH PRODUCTS, LTD.**  
14-16 LOWER CLAPTON ROAD, LONDON, E.5.

**2D.  
EACH**

## NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

**OSCAR SCRUTON & CO., YORK**



# now

## ONE stock takes the place of SIX

that, and the fact that SELO  
sales are steadily rising  
provide sound reasons  
why you should handle:-

Selo Advertising  
Dept., 134, St.  
Albans Road,  
Watford.

# SELO

*The fast*

# FILM



Joint product—combining all the merits of  
and distributed by

IMPERIAL ILFORD  
ILLINGWORTH RAJAR  
GEM and WELLINGTON





# WAXED PAPER BAGS AND LINERS for CARTONS

THE MODERN PACKING FOR CHEMICALS  
AFFECTED BY ATMOSPHERIC CONDITIONS.

For particulars apply to

**WAXED BAGS  
LIMITED**

**Curtis Buildings  
PARK ROYAL**

**N.W.10**

Tel.: . . WILLESDEN 3620

## WESTMINSTER COLLEGE OF PHARMACY

190 Clapham Road, London, S.W.9

Founder: G. S. V. WILLS, Ph.C. Principal: P. H. WOODNOTH, Ph.C., F.C.S.

**REVISION COURSES for Parts 1  
and 2 COMMENCE ON AUGUST 6th**

NEXT SESSION will commence on OCTOBER 8th, 1930,  
when Courses will be held for the Preliminary Scientific and  
Chemist and Druggist Examinations

Full details and prospectus may be obtained from The Secretary

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

## QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course  
may receive personal tuition in the practical work  
AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful  
Company of Spectacle Makers (F.S.M.C.); the British Optical  
Association (F.B.O.A.); the National Association of Opticians  
(F.N.A.O.); or the College of Optics (F.C.O.).

Write for full particulars—

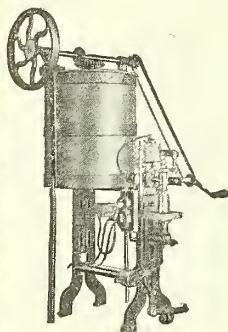
G. A. SCURR, M.P.S., F.S.M.C., F.B.O.A., F.N.A.O., B.Sc., F.I.O., F.C.O.,  
50 HIGH STREET, BARNET, LONDON, N.  
S.A. Representative: E. E. G. WOOLLEY, F.S.M.C., I.P.S., P.O. Box 1769,  
Durban.  
N.Z. Representative: R. C. AITCHISON, Box 158 PALMERSTON North.

## Roberts' Original Patent BOTTLE FILLING MACHINES

The record makers in speed filling with cleanliness. Foot-Operated Machines. From £5 5s.  
Hand-Operated Machines. From 36/-

Soundly constructed, simple in action, easy to clean.

**NEW PATENT SHALLOW TIN  
FILLING MACHINES**



"ROYAL"

Automatic CAN FILLING  
MACHINES, MIXING  
MACHINES, CORKING  
MACHINES.

NEW PATENT ACCESSORIES TO "NELSON,"  
"VECTOR" and "NAVY"  
BOTTLE FILLING  
MACHINES enable them to be  
used as Vacuum Fillers, Gravity  
Fillers or Pressure Fillers at will.

WRITE TO-DAY TO

**ROBERTS' PATENT  
FILLING MACHINE CO.**

33 Roundcroft Street, BOLTON, LANCS.

All rights reserved.

## LONDON COLLEGE of PHARMACY

FOUNDED BY H. WOOTTON, B.Sc.

C. W. GOSLING, Ph.C.

PRINCIPAL: IRVINE G. RANKIN, B.Sc., Ph.C.

**SPECIALISTS IN TRAINING PHARMACISTS.**

APPRENTICES and JUNIORS should avail  
themselves of our PREPARATORY STUDY  
courses in preparation for the PRELIM.  
SCIENTIFIC and CHEMIST & DRUGGIST  
CLASSES commencing October 8th.

Benches in our Laboratories now being reserved.

Apply:—The Principal, 361 Clapham Road, S.W.9.

**YOU take no risks**

when you send your D and P to

**PHOTOPRESS**

10 JOHNSON'S COURT, FLEET STREET,  
LONDON, E.C.4.



# Some paramount reasons why you should sell— **SHERLEY'S**



## DOG & CAT MEDICINES LACTOL & LACTOL BISCUITS!

Famous kennels rely upon Sherley's. Breeders and owners use Sherley's. Both the expert and the amateur are buyers of Sherley's. Champions of all Breeds have been reared on Sherley's LACTOL & LACTOL BISCUITS.

All Sherley's products are protected at prices which ensure a satisfactory profit and are supplied on terms which eliminate all risk of loss.

There are thousands of dog and cat owners in your district. Get their custom—sell and recommend Sherley's Products. Literature and showcards available. Send a post card for particulars.

A. F. SHERLEY & CO. LTD., 18, Marshalsea Road, London, S.E.1.

### SPECIAL QUANTITY TERMS

are available for the famous Sherley Tonic and Condition Powders and Worm Medicines—now packed on attractive display cards—also for £2 assorted parcels.

C.F.H. 125

### RADIO-ACTIVE



#### The LAST WORD in Poultry Medicine

Acknowledged to be the World's finest cure and preventive for Poultry ROUP, &c., and used by leading Breeders throughout the country, VISOL is now possessed of RADIO-ACTIVE properties which enable the Poultry Farmer to completely control the health of his flocks. Don't let these easy sales slip through your fingers. Get a supply of Radio-Active Visol NOW.

#### VISOL LABORATORIES

Experimental Poultry Farm, Great Barr, nr. BIRMINGHAM

## BATTLE'S VERMIN KILLER

Of all Patent Medicine Houses at 3/6, 5/- and 9/- per dozen.

In packets at 5d., 9d. and 1/3 each. (P.A.T.A.)

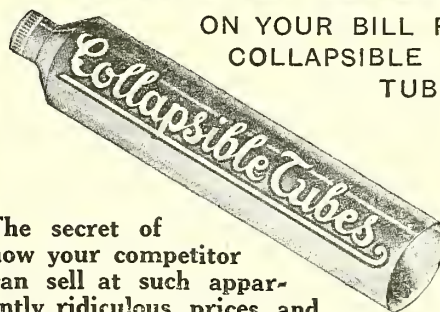
The sure destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice. (Users' testimonials on request.)

Prepared only by

J. C. M. BATTLE, Ph.C., LINCOLN

## SAVE 35%

ON YOUR BILL FOR  
COLLAPSIBLE  
TUBES



The secret of how your competitor can sell at such apparently ridiculous prices and still make a profit is often that he has learned to know our

### "TINALLUM" TUBES

which are 35% cheaper than Tin tubes.

Tested for Toothpastes, Shaving Creams, Cold Cream, Day Cream, &c.

Contents will not discolour in a "Tinallum" Tube.

WE ARE ALSO LARGE MAKERS OF PURE TIN TUBES AND COMPOSITION TUBES FOR ALL PURPOSES. ARTISTICALLY DECORATED IN VARIOUS STYLES.

The new coloured "Bakelite" caps can be supplied.

Andersen & Bruuns Factories Ltd. Copenhagen F. Denmark

London Representatives: C. L. BENCARD, Ltd.,

'Phone: Gerrard 1828.

143A Wardour St., W.1.



# HOVENDENS

## NOTED FOR BRUSHES

The House of Hovenden has been established over 100 years and we feel confident with our long experience in the sales of BRUSHES OF ALL KINDS we are able to offer you Lines unequalled for VALUE by any OTHER HOUSE IN THE TRADE.

Here are 3 Lines in SHAVING BRUSHES taken at random from our extensive stocks:

### PURE BADGER

RETAIL 12/6

ENGLISH MADE

RETAIL 4/6



No. 9916 Pure Badger  
Stump pattern, excellent value  
30/- doz.



No. 9917 Best Quality Badger  
A good bold brush, as size 7  
96/- doz.

GUARANTEED

RETAIL 7/6



No. 9918 Pure Badger  
Stump pattern size as No. 6  
54/- doz.

**EACH BRUSH BOXED SINGLY**

We hold large stocks of all kinds of Brushes, at all prices, and your enquiries for any line will receive our prompt attention. Sample collections sent willingly

**QUALITY**

**SERVICE**

**VALUE**

**R. HOVENDEN & SONS, LTD.**

29-33 Berners Street, W.1. LONDON 89-95 City Road, E.C.1



**SUMMER SALES**

**POTTER'S VITALIZING FRUIT SALINE**

**Clarke's LIVER SALTS**

**ALL THE YEAR ROUND HEALTH SALT**

**Clarke's LIVER SALTS**

**PRICES**

**Potter's Vitalising FRUIT SALINE**

8 oz. bottles (retail 1/9) 13/- dozen  
 4 oz. bottles (retail 1/3) 8/6 dozen  
 Attractive show matter with all orders.

**All the Year Round HEALTH SALT**

4 oz. tins ... 4/9 dozen  
 Gross lots ... 4/3 dozen  
 1/- Bottles (4 oz.) ... 7/6 dozen  
 1/6 Bottles (8 oz.) ... 12/- dozen

**Clarke's LIVER SALTS**

4 oz. tins ... 5/- dozen  
 3 Dozen lots ... 4/9 dozen  
 1 Gross lots ... 4/6 dozen  
 Handsome Showcard with all orders

**POTTER & CLARKE LIMITED**  
*Drug Merchants—Manufacturing Chemists*  
**60, 62, 64 ARTILLERY LANE, LONDON, E.1.**  
*Phone: Bishopsgate 4761-5 lines. Grams: Horehound, phone London. (2 words)*  
**and 24, LUNA STREET, GREAT ANCOATS STREET, MANCHESTER**  
*Phone: Manchester City-6048. Grams: Horehound, Manchester*





## Well Printed

HOW many printers are there who can handle chemists' specialised printing such as labels, wrappers, cartons, window-bills, etc. with proper appreciation of the requirements of the Trade? Very few.

We have proved to hundreds of chemists, both wholesale and retail, our claim to be "The Chemists' Printers"

We have specialised in this branch of printing for forty years, and by keeping up-to-date in our methods and competitive in price, have achieved a reputation throughout the trade of which we are not a little proud.

We are always ready to give quotations advice and suggestions. If we are not already working for you we respectfully solicit your enquiries and trial orders.

**Thomas Waide & Sons Ltd.**  
CHEMISTS' PRINTERS,  
DARLINGTON STREET, LEEDS.



Mosquitoes  
spoil  
outdoor  
pleasures

TRADE  
MARK

**'SKETOFOX'** BRAND

AROMATIC CREAM

Provides protection



The wise buy 'SKETOFOX'  
for protection. Those  
who have been bitten find  
it a soothing application.  
At this time of the year  
both are good customers.

*Prices in London to the Trade:*

*Collapsible tubes at 12/6 per dozen*

*(Subject to the usual discount)*

Write for 'SKETOFOX' Counter Display Screen

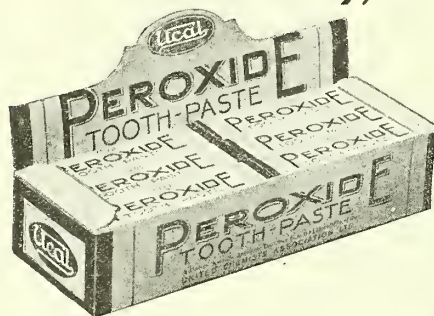


**BURROUGHS WELLCOME & CO.**  
LONDON



# "PEROXIDE"

TOOTH PASTE



## "Ucal" Brand

Good for Teeth !

Good for Sales !!

Good for Profit !!!

This line meets all competition. Well packed in 1 dozen Display Outers. A Window Show will convince you.

6d. size	- -	Costs 4/- doz.
3 doz. lots	-	3/6 doz.
1/- size	- -	Costs 7/- doz.
3 doz. lots	-	6/6 doz.

Really effective show material with all orders for 3 doz. and over.

# "UCAL"

CHELTENHAM. 'Phone 3021.

Keith Grove, LONDON. 'Phone "Riverside" 4641.

CHEMISTS TENDERING FOR OR SUPPLYING

# DISINFECTANTS

TO

HOSPITALS, PUBLIC INSTITUTIONS,  
Etc., Etc.

SHOULD REMEMBER

## BURT, BOULTON & HAYWOOD, LIMITED

are one of the largest Wholesale Manufacturers and offer Special Terms for Contracts.

Carbolic Disinfecting Fluids containing 3% to 80% Tar Acids. Carbolic Disinfecting Fluids Rideal Walker Co-efficients 2 to 20

White Disinfecting Fluids—miscible in salt, fresh or brackish water Co-efficients 10/12, 18/20, 20/22.

Lysol 50 % Cresols guaranteed. Pine Disinfecting Fluids.

Pink Carbolic Disinfecting Powders containing 5 % to 20 % Tar Acids.

Creosote Disinfecting Powders containing 5 % to 20 % Tar Acids.

Liquid Carbolic and Cresylic Acid Dark 95/97 % and Pale 97/99 %.

Sulphur Candles. Formaldehyde (Formalin) 40 % Solution.

Formaldehyde (Formalin) Tablets. Liquid Soaps.

SOLUBLE Carbolic or Pine Blocks for road watering vans.

Carbolic Weed Killer, etc.

Tar Acids and Rideal Walker Co-efficiency guaranteed. May be sold by Chemists and Druggists under own name.

Special Disinfectant Fluids approved by the Ministry of Agriculture under the "Diseases of Animals Acts." May be packed and sold by Chemists under own name.

Samples and prices on application to

## BURT, BOULTON & HAYWOOD, LIMITED

Salisbury House, London Wall, London, E.C.2.

# THE CHEMIST AND DRUGGIST



A WEEKLY JOURNAL OF PHARMACY,  
THE DRUG, CHEMICAL & ALLIED TRADES.

Telegrams: "Chemicus, Estrand, London."  
Telephone: Central 6565 (8 lines).

The official organ of The Pharmaceutical Society of Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions.

Published at 28 ESSEX STREET, STRAND, LONDON, W.C.2.

Branch Offices: 4 Cannon Street, Manchester. (Tel.: City 0052.) 54 Foster's Buildings, High Street, Sheffield. (Tel. 22458.)  
19 Waterloo Street, Glasgow. (Tel.: Central 2329.) 99 Queen Street, Melbourne, Australia.

Vol. 113. No. 2

## CONTENTS

July 12, 1930

	PAGE		PAGE		PAGE		PAGE
Australian Tariff .....	44	Correspondence:—		Information Department .....	48	PHARMACY IN CARDIFF ....	36
Bankers' Manifesto .....	46	Letters .....	59	Irish News .....	35	Retail Pharmacists' .....	
Bankruptcy Reports .....	35	Dispensing Notes .....	60	Legal Reports .....	34	Union .....	44
Births .....	48	Legal Queries .....	60	Malt Extract .....	53	Retrospect .....	60
Books, New .....	45	Miscellaneous .....	60	Marriages .....	48	Scottish News .....	35
British Pharmaceutical .....		Inquiries .....	60	New Companies and .....		Sporting Events .....	44
Conference .....	42	Editorial Articles:—		Company News .....	35	Summer Outings .....	45
Business Changes .....	33	Draft Pharmacy and .....		New Zealand Markets .....	54	Trade Marks .....	47
C. & D. Commercial .....		Poisons Bill .....	50	Observations and Reflec- .....		Trade Notes .....	47
Compendium .....	61	Depression in Shellac .....	52	tions .....	49	Trade Report .....	55
Coming Events .....	33	English News .....	31	Personalities .....	48	Westminster Wisdom ....	52
Deaths .....	48	Gazette .....	35			Wills .....	46

## English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

### Inter-Imperial Trade

At a meeting of eminent British bankers held at Hambro's Bank in the City of London on July 2, presided over by Sir Eric Hambro, the following resolution was passed:—

It is resolved that urgent measures for the promotion of inter-Imperial trade are needed to secure and extend the market for British products both at home and through the export trade.

Bitter experience has taught Great Britain that the hopes expressed four years ago in a plea for the removal of the restrictions upon European trade have failed to be realised. The restrictions have been materially increased, and the sale of surplus foreign products in the British market has steadily grown.

While we retain the hope of an ultimate extension of the area of free trade throughout the world, we believe that the immediate step for securing and extending the market for British goods lies in reciprocal trade agreements between the nations constituting the British Empire.

As a condition of securing these agreements Great Britain must retain her open market for all Empire products, while being prepared to impose duties on all imports from all other countries.

A further meeting of bankers was held in the City on July 7, when the terms of the resolution were officially confirmed, and nine other financial authorities added their names to those of the original signatories.

### Analysts' Reports

The Durham county analyst reports that further attention has been given to such preparations as "glycerine, lemon and ipecac." Three samples of this nature have been dealt with during the quarter, two of which were found to be in accordance with their descriptions, but the third sample was found to contain no lemon; the acid present was tartaric acid.

The Cheshire county analyst reports that the accuracy of three prescriptions has been tested with results proving the skill of the dispenser. About twenty other types of drugs and galenicals have been dealt with, and nothing could be urged against either their composition or appropriate degree of purity. One of them, bismuthated magnesia, sold as a known, admitted and approved remedy, corresponded almost exactly with the "guaranteed" composition.

The Warwickshire county analyst reports that three informal samples of dilute nitrate of mercury ointment purchased were passed as genuine. One informal sample and an official sample from the same vendor were found to be somewhat below the limit: the vendor was cautioned. Three informal samples of prepared calamine received were found to satisfy all requirements, but two informal samples from different vendors were found to contain approximately 70 per cent. of barium sulphate and to be coloured with a red aniline dye. An official sample taken later from one vendor consisted, however, of the genuine article, while that taken from the other vendor was of the same composition as the informal sample. The vendor of the adulterated sample, however, produced satisfactory evidence that he was supplied with the substance in that state.

### An Historic Pharmacy

Particulars are given, in a recent issue of the "Stamford and Rutland News," of the history of the business now owned by Mr. G. A. Johnson, chemist and druggist, in Red Lion Square, Stamford, and just enlarged and modernised to his specification. The building itself is believed to be at least 400 years old, and to have been used as an inn at one period. A chemist's business was established here as long ago as 1720 by Solomon Woodroffe, to whose memory there is a mural tablet in St. John's Church, and it was continued by members of his family for over 100 years. In 1850 the business



was purchased by Mr. George Patterson, who came from Ulverstone, Lancashire, and was elected Mayor in 1867. He retired in 1878 and went back to Ulverstone, where he died. Mr. Patterson was succeeded by Mr. J. H. Stanford, who relinquished the business in 1889; it was then acquired by Mr. C. F. R. Pars. Mr. Pars conducted the business until 1897, when he took another at Bournemouth (in which he is still interested), and it was then purchased by Mr. G. A. Johnson, who came from Rugby. A large building behind the shop is of considerable antiquarian interest.

### Inquests

An inquest was held at Ipswich, recently, on the body of Mr. F. C. Stacey, retired chemist and druggist, who died suddenly on July 1. Medical evidence attributed death to cardiac failure, and a verdict was returned accordingly.

A case of poisoning by paraldehyde was investigated by the Westminster coroner on July 8. The deceased, James S. Law, Litchfield Street, W.C.2, left a letter stating: "I have taken all the sleeping dope I have accumulated for months." A verdict of "Suicide while of unsound mind" was recorded.

An inquiry was held at Canning Town, London, E., on July 1, concerning the death of Miss Ellen Hadfield, who, while engaged in developing a batch of films in her father's pharmacy, was found lying on the floor of the dark-room with an electric fan, still running, in her lap, and part of the lead across her body. Mr. Hadfield switched off the current, but it was discovered that his daughter was dead. Mr. Hadfield, giving evidence, said that his own electric fan, which was a fixture, had been sent for repair, and he had been lent a portable one. Death was certified to be due to suffocation and shock from an electric current. The jury returned a verdict of "Death by misadventure," and expressed the opinion that the fan ought not to have been sent out in a leaky condition.

### Birmingham

Many interesting plants are now to be seen at the Edgbaston botanical gardens.

Mr. A. Granger, chief inspector of weights and measures to Birmingham Corporation, is retiring, and will be succeeded by Mr. W. T. Cherry.

The old book-lamp shop in High Street, in 1790 occupied by a bookseller and vendor of proprietary medicines and perfumes, is about to change hands.

Among the wedding presents given to Mr. Innes Barclay, B.A., from the directors and managers of Southall Brothers and Barclay, Ltd., on the occasion of his marriage (p. 48), were a Georgian silver fruit set, antique chair, nest of tables, revolving soup and entrée dish, English cut-glass bowls, silver double condiment set, coalport coffee set, silver cocktail set, and clock with Westminster chimes. From the staff and work-people at Charford Mills, Saltley, Lower Priory and Bromsgrove, were sent two silver trays weighing 167 oz., and a Georgian barometer.

### Liverpool

Many American visitors are staying in Liverpool and the district a few days before proceeding south.

Mr. Thomas Marns (member of the Pharmaceutical Society's Council) visited Liverpool recently and made several calls.

Miss Marjorie Robiison, only daughter of Mr. John H. Robinson, has passed her intermediate examination for the B.A. degree of Liverpool University.

Mr. W. H. Saunders, F.C.S. (chairman of Ayrtton, Saunders & Co., Ltd.) is now on his way to Australia and New Zealand on his customary business tour.

Mr. H. Humphreys Jones, F.I.C., Ph.C., who has been unwell for some weeks past, underwent the operation of cholecystectomy in a nursing home on July 9.

Mr. Humphreys Jones is reported to be as comfortable as can be expected, and it is hoped that his recovery will be uneventful. A telegram received from a Liverpool chemist just as we were going to press states that the patient was going on satisfactorily and had had a fairly good night.

Alderman Edwin Thompson, governing director of Thompson & Capper Wholesale, Ltd., and chairman of the water committee of Liverpool Corporation, was elected president of the British Waterworks Association on July 9, and delivered an address summarising lucidly and in a small compass the analytical, hygienic and other aspects of public water supply. It appears that the first Act of Parliament relating to the water supply of Liverpool was passed in 1709. Alderman Thompson remarked that in domestic fittings Canada and the United States are greatly in advance of this country.

Members of the Old Students' Association of the Liverpool School of Pharmacy recently paid a visit to the works and laboratories of Evans Sons Lescher & Webb, Ltd., Hanover Street. Many new features were shown, and the visitors were afterwards entertained to tea at the Bear's Paw by Messrs. Evans. Mr. Brinson, in a speech of welcome, introduced Mr. Lescher, who said that a tour of this nature was of mutual benefit. He invited the members of the Association to visit the laboratories at Runcorn on some future occasion. Mr. Lamb apologised for the absence of the president and other officials of the Association, and thanked the directors for their hospitality and invitation.

### Manchester

The Salford pageant week has been a revelation, even to those people that thought they knew something of their own city.

At the recent monthly meeting of the Manchester Pharmaceutical Committee, Mr. D. Dickson in the chair, a resolution was passed that a note of condolence be sent to the relatives of the late Mr. Walter Lord, who had been a valued member of the committee for many years.

By the untimely death of Mr. T. H. Winstanley, of Wigan, the B.P.C. Committee, which has recently been formed in connection with next year's meeting of the Conference in Manchester, will lose a member whose keen interest and activity were noteworthy. It is only a few weeks since Mr. and Mrs. Winstanley were at a meeting in Manchester in connection with the Conference of 1931.

### Sheffield

Mr. John Austen, Ph.C., has been appointed president of the local Rotary Club.

The examination for the Izal scholarship is to be held during the last week in August. Particulars may be had from Mr. Kirman, 49 Church Street.

Mr. Thomas Daykin, chemist and druggist, 448 London Road, has disposed of his business to his brother, Mr. George Shaw Daykin, chemist and druggist.

The following are the prize-winners among the Part I pharmacy students:—First year, A. Hawkes (1st class in all subjects), T. A. Shardlow, D. Stathers; second year, A. Woodland, E. Ibbotson, A. Lomas, S. Gaffrey, G. Brailsford, S. Staveley (all 1st class in all subjects).

### Miscellaneous

**POISON-LICENCE APPLICATION.**—Mr. Sydney Field, Station Road, Gerrards Cross, has applied to the Buckinghamshire County Council for a licence to sell nicotine and lead arsenate.

**EXPLOSION.**—On July 4 an explosion occurred at the works of Hickson & Partners, Ltd., manufacturing chemists, Castleford, resulting in the death of thirteen employees and serious injury to fifteen others.

**FIRE.**—Considerable damage was done by an outbreak of fire at the pharmacy of Mr. James E. Wood, chemist

and druggist, Armthorpe, early on July 4. Originating in the rear of the premises, it spread to the shop.

**PHARMACISTS' SECTION OF BRITISH ESPERANTISTS.**—On June 7 the inaugural meeting of the Pharmacists' section of British Esperantists took place in the University College, Nottingham. Mr. Churchill (Derby) was elected president; Mr. McCallum (Edinburgh), vice-president; and Mr. F. B. Elwell (Wanstead, London, E.11), secretary and treasurer. The proposed rules were submitted, and, after amendment, passed.

**PRICE-PROTECTION INQUIRY.**—The Federation of British Industries has appointed a committee which will furnish the Government with views upon the general principles of price maintenance. Its members are Sir Roland Nugent, director of the Federation; Mr. S. E. Cash, its solicitor; and Mr. H. L. Kenward, sales manager of the Dunlop Rubber Co., Ltd. The last-named has prepared evidence, which has been forwarded to the Board of Trade.

**WHIST DRIVE.**—A whist drive was held at the residence of Mrs. T. Badgett, Newport, on July 7. Amongst those present were Mrs. J. D. Jenkins, Mr. and Mrs. Mogg, Mr. and Mrs. Loyley, Miss Jabez Jones, Mr. and Mrs. Hague, Mr. and Miss Maisie Murray, all of Cardiff. The prize-winners were as follows:—(1) Mr. Murray; (2) (lady playing gentleman), Mrs. Hague; booby prize, Mr. F. E. Clarke (Newport); (1) ladies, Mrs. Mogg; (2) Mrs. Firkbank.

**END OF A PHARMACY COURSE.**—At Swansea, recently, the Higher Education Committee agreed that the pharmacy apparatus at the Technical College should be disposed of. Mr. W. T. Hughes pleaded that this course should not be adopted. He had his views of the Pharmaceutical Society, and felt that they should not be allowed "to get away with it in the manner they would like." Another member of the Committee said that certain people were of the opinion that education in Swansea was being grossly overdone. After considerable discussion the matter was referred to the chairman, director and principal to report further on the disposal of the apparatus.

**IN THE COURTS.**—At the Staffordshire Assizes, on July 4, Percy Lessen Wain, wholesale chemist, Stoke-on-Trent, pleaded "Guilty" to conspiring to defraud the Inland Revenue of sums of money due in respect of income tax and excess profits duty. Sir Reginald Coventry, K.C., for the defence, urged that it was his client's sense of honesty that had brought him to the present position by his accurate return of his private affairs. The judge fined the defendant £500, and ordered him to pay two-thirds of the cost of the prosecution. His co-defendants were discharged.—At Wolverhampton Police Court, on July 4, Harry Roberts, grocer, Dudley Road, was fined 30s., with £2 18s. 6d. special costs, for having sold artificial vinegar as "table vinegar."

## Irish News

### Brevities

The National Health Insurance Act (Northern Ireland), 1930, has been issued by the Stationery Office (price 6d.).

Mr. Fred Storey (president of the Pharmaceutical Society of Northern Ireland) presided at a recent meeting of the Committee of the Cancer Research Fund (Northern Ireland branch).

Prizes for window displays in the recent Ennis shopping week were awarded to chemists as follows:—1st, Mr. P. K. Ryan, Ph.C.; 2nd, Mr. J. A. O'Neill, Ph.C.; 3rd, Mr. J. C. Heffernan, R.P.

### Belfast

Mr. Edward Boyd has taken over the pharmacy of Mr. Thomas McDowell, at 54 Albertbridge Road.

Mr. W. Martin, Ph.C., has taken over the pharmacy of Mr. R. B. Abernethy, Ph.C., 225 Holywood Road.

## Scottish News

### Brevities

Mr. George E. Davie, son of Mr. G. M. Davie, chemist and druggist, Hilltown, leads the list in the John Welsh Classical Bursary competition of Edinburgh University.

Mr. G. Gordon Smith (representative of William Currie & Co., Caledonian Rubber Works, Edinburgh), who has been obliged to relinquish his duties owing to ill health, is succeeded by Mr. George Pringle.

In the recent annual rink tournament under the auspices of the Northern Counties Bowling Association, the Thurso team (skipped by Mr. W. Cumming, chemist and druggist) beat Wick (skipped by Mr. George Banks, chemist and druggist) in the final by 9 up.

At Dundee Sheriff Court, recently, Alexander Wood (30), Annfield Street, described as a canvasser, was sentenced to six week's imprisonment for embezzling money belonging to Hannetta, Ltd., manufacturing chemists, Bristol, by whom he was employed.

### Glasgow

Two firemen were injured at a recent fire at the premises of Griffin and Tatlock, scientific instrument makers, 45 Renfrew Street.

It is proposed to build an extension of the Royal Technical College in Montrose Street, to accommodate the new School of Pharmacy.

Mr. James Tennant, who has been associated with Charles Tennant & Co., Ltd., manufacturing chemists, for many years, died at Ayr on June 21, at the age of ninety.

A special meeting of the Chemists' Friendly Society was held on July 3 to consider the disposal of the surplus shown in the third actuarial valuation of the Society as at December 31, 1927. In the unavoidable absence of the president (Mr. Anthony McMillan), Mr. John B. McVittae occupied the chair. The meeting unanimously resolved, in terms of the Approved Societies Regulations, (1) that the cash benefits payable to members who joined the Society prior to January 3, 1926, who have the requisite number of contributions to their credit and whose accounts are not in arrears, be double the statutory rates; and (2) that the treatment benefits payable to members who joined the Society prior to January 1, 1928, be as follows:—Dental, 80 per cent. of the approved cost; ophthalmic, as the Society's existing scale; surgical, 80 per cent. of the approved conditional cost. Different terms are arranged for members who did not join the Society until after January 3, 1926.

## Business Changes

Miss W. M. MacDonald, chemist and druggist, has opened a pharmacy at 10 Main Street, Tobermory.

MR. FREDERICK LAING, chemist and druggist, has commenced business in Rosemount Place, Aberdeen.

MR. CHARLES COUTTS, chemist and druggist, 26 Broad Street, Aberdeen, has opened a branch shop at 2 Schoolhill.

## Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

### Thursday, July 17

Pharmaceutical Society, North London Pharmaceutical Association and North Metropolitan Branch. Annual sports day on the grounds of S. Maw, Son & Sons, Ltd., New Barnet. Sports commence at 3 p.m.



## Legal Reports

**Alleged Passing Off.**—In the Chancery Division of the High Court, London, on July 9, Mr. Justice Clauson began the hearing of an action by F. W. Hampshire & Co. (1927), Ltd., manufacturing chemists, Sunnysdale Works, Derby, against the General Kaputine Syndicate, Ltd., manufacturing chemists, Lilley Street, Manchester. The plaintiffs sought an injunction restraining an alleged infringement by the defendants of their trade mark "Snowfire," and passing off by means of packets, wrappers, labels and cartons the get up of which was only colourably different from that of the plaintiffs'. The defendants denied the allegations. Mr. Archer, K.C., for the plaintiffs, said that the defendants called their product "Sunshine Snow," and both products were an ointment to remedy the effects of exposure to the weather. The substantial point in the case was not so much infringement as the get up, and the complaint was that the defendants' manner of dealing with their goods was calculated to deceive people—and had deceived them—into the belief that their goods were the plaintiffs'. Mr. William Lander, a director of the plaintiff company, said that "Snowfire" had been on the market since 1909. He claimed that the get up was distinctive of their goods. In cross-examination by Sir Duncan Kerly, K.C., witness agreed that the use of the word "snow" in connection with emollients for chapped hands, cracked lips or sunburn was common among pharmaceutical chemists. The hearing was adjourned.

**Automatic Machine Dispute.**—At Liverpool County Court, on July 8, L. W. Mussell, Ltd., chemists, Garston, sued the Super Automatic Machine Co., Ltd., Western Road, Mitcham, claiming damages for alleged breach of contract. The case for the plaintiffs, as described by Mr. A. Hamilton, and given in evidence by Mr. Leonard W. Mussell, chemist and druggist, was that, as the result of negotiations between himself and a man named Bennison, representing the defendant company, he undertook to purchase one of the defendants' machines on condition that no similar machine should be erected in Garston Village against the order of the plaintiffs, except at their branch shop. After the machine was delivered Mr. Mussell discovered that two similar machines were in operation in Garston. Mr. Hamilton submitted that the contract had been ratified by the defendant company. Mr. R. B. Stephenson, for the defence, contended that Bennison had no authority, as the defendant company's agent, to make any such contract as that alleged by the plaintiffs, and that the contract form expressly provided that the agreement was to be subject to confirmation by the chief office of the defendants. The defendants had undertaken to take the machine back, and to refund the instalments paid on it by plaintiffs. Judge Dowdall, in giving judgment, said that Mr. Mussell had noticed that Bennison had no right to exceed the printed terms on the agreement form, and the company had been supplied with a signed contract in which the printed terms had been left unaltered except in regard to an immaterial matter like repairs. It might not have been the bargain made with Bennison, but it was the bargain made with the defendant company. The contract had been carried out on both sides. The defendants were not bound to offer to take the machine back. There would be judgment for the defendants, with costs.

**Shopfitting Dispute.**—In Shoreditch County Court, London, on June 20 and July 3, J. Bennett, Ltd., shopfitters, Parkhurst Road, N., sued Marshall (Chemists), Ltd., High Street, Kingsland, E., to recover the sum of £61 8s. 1d., balance of an account due for fitting out the defendants' shop. The defendants filed an affidavit stating that in September 1928 they agreed that the plaintiffs should do the shopfitting at a cost of £250 and extras, which the plaintiffs said would come to £35 16s. 7d., of which total they had paid £224 8s. 6d. They alleged that the shelves which were intended for show purposes were fixed in a dangerous manner, as the brackets were too short, which resulted in an acci-

dent, causing a quantity of goods to be damaged and injuring a shop assistant. They also alleged the window was not watertight and paintwork on the lettering had fallen off, and counterclaimed £25. Mr. Lowe appeared for the plaintiffs and Mr. Gordon Clark for the defendants. Evidence was given for the plaintiffs that the defendants wanted a cheap job, and in some cases old material was used. The defendants were seen after the alleged accident in the shop, but they did not claim that the damaged goods should be paid for. Shaped edges to the shelves were not included in the contract, and the plaintiffs could not do it for the price. Mr. John Thomas, traveller to the plaintiffs, said he visited the defendants' shop on June 19; although there had been a deluge the previous night, there was no trace of any water in the shop, while the window was well dressed, showing that the shelves had been used. For the defence, Mr. Marshall said that when the work was first carried out he did not notice any difficulties, but later he noticed that the shelves were not properly fixed, and they had fallen, causing damage in the shop to certain stock, of which he gave particulars. Cross-examined, he agreed that he had no desire to spend a lot of money on the fitting of the shop. Arthur Jennens, shopfitting expert, explained the nature of the defects of the shelves in the window. Deputy-Judge Thesiger, giving his decision, said that he thought such a case as this should have been tried by an expert. He would find for the plaintiffs on their claim for the amount claimed, with costs, and in favour of the defendants for their counterclaim for £30 for putting the work right, and £12 damage to stock, £42 in all, also with costs.

**Food and Drugs (Adulteration) Act.**—At Tower Bridge Police Court, London, recently, Harry Wiseman, dealer, 20 Stoney Lane, E.1, was summoned under the Food and Drugs (Adulteration) Act, 1928, for having sold boric ointment which had been mixed with ingredients or materials (water and soap) so as to affect injuriously the quality or potency of the drug, contrary to Sec. 1 (2) of the Act. He was also summoned for selling an article or drug to which he had wilfully given a false description, contrary to Sec. 30 (1) of the Act. Mr. Vernon Gattie, barrister, appeared for the Southwark Borough Council. The defendant at first pleaded "Guilty," but afterwards "Not guilty." Mr. Schneiderman said his wife traded at 163 Newington Causeway. On March 31 the defendant sold him a quantity of what purported to be boric ointment. The magistrate (Mr. Campion) suggested that it might be sufficient if counsel outlined the case. Mr. Gattie said that these were not alternative summonses, but related to different offences. They arose out of a case before the Court in which Mrs. Sarah Schneiderman was summoned for selling this preparation at her shop. She was convicted and fined (C. & D., June 7, p. 686). Mrs. Schneiderman, through her husband, bought 61 gross of this "ointment" at 3s. 6d. a gross. It was admitted that the present defendant had only paid 2s. 6d. a gross for it. The defendant called on the town clerk and told him he had got it from a man named Rogers, a job lot, and that the tins it was put up in—bearing the name of Parkes Drug Co.—were also job. He relied on Rogers's word and on the fact that the name of Messrs. Parkes was on the tin, as they were a firm of the highest repute. Mr. Kirby said he was watching the interests of Messrs. Parkes. Mr. C. Dickinson, public analyst, Southwark, said that there was a 96 per cent. deficiency in boric acid and no paraffin ointment in the sample he received. The defendant said that when he heard of Schneiderman's trouble he tried to get into touch with Rogers and sent him letters and postcards, which had been returned. He handed in some invoices purporting to be from Rogers. The Magistrate: I see the headings have all been cut off. Defendant: Rogers said he had no invoices, so I lent him some of mine, and he cut off the headings. The Magistrate: I am unable to find that you have exercised reasonable diligence in this matter, and I shall convict you. You must pay £50 on the first summons and £10 costs, and £20 on the second.



## New Companies and Company News

**P.C. means Private Company and R.O. Registered Office.**

**A. TOBIN, LTD. (P.C.).**—Capital £400. Objects: To carry on the business of chemists and druggists, and opticians, etc. The permanent directors are: Dr. O. Tobin and Mrs. S. Tobin. R.O.: 49 Barford Street, Mile End, E.

**FLAVOURS, LTD. (P.C.).**—Capital £1,000. Objects: To carry on the business of manufacturers of fruit essences and flavouring materials, etc. The directors are: A. Wuertz and C. H. Temple. R.O.: Dominion House, Bartholomew Close, E.C.

**GREYSONS, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of dealers in and manufacturers of drugs, chemicals, surgical instruments, etc. The directors are: T. Warburton, 27 Monmouth Avenue, Bury, and Mrs. G. Warburton.

**DRAYCOTTS (BILSTON), LTD. (P.C.).**—Capital £500. Objects: To acquire the business of a chemist and druggist carried on by H. M. Draycott, M.P.S., at 104 Clifton Street, Hurst Hill, Bilston, Staffs. The subscribers are: W. E. Marlow and J. B. Blakemore.

**PETER TAYLOR, LTD. (P.C.).**—Capital £1,000. Objects: To acquire the business of a retail chemist now carried on by Emily B. Taylor at 18 Park Road, Regent's Park, N.W., as "Peter Taylor." The directors are: Miss Emily B. Taylor, H. P. Taylor and W. H. Jones.

**E. J. CHALLENGER, LTD. (P.C.).**—Capital £500. Objects: To acquire the business of a chemist and druggist heretofore carried on by Gertrude M. Challenger at 41 Rolle Street, Exmouth, Devon. The subscribers are: Mrs. Gertrude M. Challenger and L. G. Carpenter, M.P.S.

**ANGLO-GERMAN PHARMACEUTICAL PRODUCTS CORPORATION, LTD. (P.C.).**—Capital £500. Objects: To carry on the business of chemists, druggists and dispensers, manufacturers and importers of and dealers in drugs, chemicals, etc. The subscribers are: C. B. Little and G. B. Pirie. R.O.: 94/98 Regent Street, W.1.

**JOHNSON & JOHNSON (GT. BRITAIN), LTD.**—Mr. J. A. Jamieson, who has for many years represented the Scottish interests of the company, has been appointed a director.

**A. BOAKE, ROBERTS & CO., LTD.**—The accounts show a net profit for the year to March 31 of £28,995 (against £30,965 for 1928-29) and £25,830 was brought forward. The dividend is maintained at 7 per cent., tax free, by a final payment of 1 per cent., and £5,000 is again placed to reserve, increasing it to £90,000, leaving £30,825 to be carried forward.

**WRIGLEY (SALES), LTD.**—Mr. Justice Bennett, in the Chancery Court on July 8, confirmed a reduction of capital from £200,000 to £150,000. Counsel said the company sold chewing gum, the use of which had been very successfully cultivated by judicious advertising. It was proposed to pay back to the preference shareholders the preference capital (£50,000), which was in excess of the company's requirements.

**GUÉNEAUX (ENGLAND), LTD.**—Mr. G. Bernard Thompson, who holds the position of general manager with Guéneaux (England), Ltd., has joined the board as director. Mr. Thompson is a Fellow and ex-Vice-Chairman of the Incorporated Sales Managers' Association, and Chairman of their Examination and Educational Committee.—Miss F. A. Lipsett, 27 Waring Street, Belfast, will represent Guéneaux (England), Ltd., in Northern Ireland from July 1, 1930.

**P.D.S. (LEEDS), LTD.**—A meeting of shareholders was held on July 4 at the Hotel Metropole, Leeds, Mr. Harry Parsons in the chair, supported by Mr. F. C.

Stock (vice-chairman). Mr. Parsons informed the shareholders that the amount of business done in the opening weeks was entirely satisfactory, and that the company was going to be very successful. The following Leeds chemists were appointed directors, in addition to Mr. Parsons and Mr. Stock:—Messrs. N. H. Burns, W. Eaddie, C. B. Mitchell, E. S. Mitchell, T. Shooter and R. Swaites. Mr. W. Eaddie was appointed secretary and Mr. N. H. Burns assistant secretary.

**SANGERS, LTD.**—The accounts show a net profit of £60,302 for the year to March 31 (against £54,896 for 1928-29), to which is added £20,459 brought forward. The directors recommend a final dividend on the ordinary shares of 10 per cent., making 17½ per cent. for the year (against nil), and £614 has been written off goodwill, which, with the balance of £15,386 share premium account also applied, reduces the goodwill by £16,000 (to £209,000) for the year. The balance to be carried forward is £30,873, subject to the accrued dividend on the preference shares for two months (£2,422). Last year £50,000 was applied in reduction of goodwill, and the whole of the preliminary expenses were written off out of share premium account.

**DRUG HOUSES OF AUSTRALIA, LTD.**—According to a Reuter's message from Sydney, eleven important wholesale drug houses in Australia have formed a holding company, to be known as the Drug Houses of Australia, Ltd. The company will have a nominal capital of £5,000,000. No shares will be offered for public subscription at present, the whole capital to be issued to be subscribed privately. The amalgamating companies include Duerdin & Sainsbury, Ltd.; Grimwade & Associated Companies; Elliott Brothers; Taylor, Colledge Bickford & Sons; Taylor & Elliotts; and T. & E. Surgical, Ltd. Negotiations are also proceeding with the directors of The Australian Drugs, Ltd., for a further amalgamation.

**DRUG INCORPORATED.**—The latest acquisition of Drug Incorporated of America (which is associated with Boots Pure Drug Company) is the Vick Chemical Company, a holding concern controlling a well-known family business of the same name, whose headquarters are at Greensboro, in North Carolina. The operating undertaking was established in 1885 and its chief plant covers fifteen acres. It has subsidiary plants at Philadelphia, Mexico City and Montreal. Its products are mainly proprietary medicines, the most popular of which is Vick's Vaporub. The holding company was constituted in 1925, succeeding one formed two years earlier. The consideration payable by Drug Incorporated for the Vick Chemical shares is an allotment of 456,000 shares, which at the market value current is equivalent to a price of £7,569,600.

### Bankruptcy Reports

**Re Patrick Joseph Byrne, 99 Hunslet Hall Road, Leeds, chemist and druggist.**—The following are creditors in this recent failure:—Bromley & Walker, £30; Cupal, Ltd., £21; Hirst, Brook & Hirst, Ltd., £982; Illingworth, Thomas, & Co., Ltd., £20; Kirby, H. & T., Ltd., £17; Prices Patent Candle Co., Ltd., £12; Rayner, Mrs. E. A., £600.

## Gazette

### Partnership Dissolved

**REYNOLDS, A. B., and JOHNSTONE, J. A., 17 St. Mary's Street, Wallingford, chemists and druggists, under the style of Reynolds & Johnstone.**

### Bankruptcy Acts

#### RECEIVING ORDER AND ADJUDICATION

**FURSE, MILLCENT S., 97 Green Lane, Walsall, and lately at 117 Lea Road, Wolverhampton, "chemist."**



# Pharmacy In and Around Cardiff

In view of the forthcoming visit of the British Pharmaceutical Conference to Cardiff, a C. & D. representative has obtained particulars of the chemists of the city and of some of those in the surrounding area who are actively working to make the Conference a success

THE importance of Cardiff as a commercial, artistic and educational centre was pointed out in our Special Issue of June 28. Looking back to the latest census figures available, we notice that the increase in population for the ten years prior to 1921 was no less than 9.9 per cent.; and it would not be surprising if the census to be taken next year discloses a similar expansion. The pharmacies of the city are widely distributed and, as might be expected, vary considerably in the class of trade done. In the work of organising the local Conference arrangements the chemists of Cardiff have been assisted by colleagues in neighbouring towns; it has thus come about that our representative, with the help of members of the Local Executive, has made a selection that includes names from Newport, Barry and elsewhere.

## MR. T. J. BADGETT,

Newport, is a native of Llangynidr, Breconshire, and received his education at the County School, Brecon. He served his apprenticeship in London, afterwards becoming a junior assistant in Cardiff. Returning to London, he entered the London College of Pharmacy, from which he passed the Qualifying examination in 1906. While studying at the College he obtained a bronze medal in chemistry and physics. He then had further experience as assistant at Croydon, Tunbridge Wells and Eastbourne, and in 1911 commenced business on his own account in Newport. Towards the end of 1912, a busy period for pharmacy, he became secretary of the Newport Chemists' Association and one of the first members of the local Pharmaceutical Committee. He is still a member of the latter body, and also represents Newport chemists on the Borough Insurance Committee. Mr. Badgett occupied the presidential chair of the Newport Chemists' Association in 1919, to which office he has again been elected this year.

## BOOTS, LTD.,

have three branches in Cardiff. The oldest-established, catering (in Albany Road) for the needs of the residential district of Roath Park, is representative of a good-class suburban pharmacy; one in the Canton district (in Cowbridge Road) is a compact chemist's shop serving the needs of this populous quarter; and in the centre of the city the Queen Street branch occupies a commanding corner position. This pharmacy, equipped with a first-class dispensing department, is considered one of the finest in South Wales. Here three or four qualified pharmacists are always available, one of whom is a lady. There is also an extensive surgical sundries department, looked after by fully qualified nurses. A hearty welcome is extended to Conference visitors to see these establishments.

## MR. F. E. S. CLARKE,

Newport, was born at Lowestoft. He qualified in 1907 and subsequently held positions in Ipswich, Windsor, London, Porchester, Bradford and Weston-super-Mare, and then commenced business for himself in a mining village in South Wales. After a year or so he moved to Newport. Mr. Clarke has given freely of his services for the benefit of the craft, and for some fifteen years was secretary of the Monmouthshire Pharmaceutical Association. He is a past-president of the Newport Association, a rotarian and a freemason.

## MR. REGINALD DAVIES

is a native of Penarth, Glamorganshire, and served his apprenticeship with Mr. H. A. Gerhold of that town.

He gained further experience in several London pharmacies, including two years as assistant with Mr. W. A. Goodall, South Kensington. He qualified in 1909, and afterwards returned to Penarth to take over the pharmacy of Prosser & Co., dispensing and shipping chemists, 59 Glebe Street, which business he still carries on. Mr. Davies was (in 1923) the first chairman of the Cardiff and District Branch of the Pharmaceutical Society, and has always shown a keen interest in local pharmaceutical affairs. As a sportsman he has taken active part in football, cricket, hockey and cycling.

## ROBERT DRANE, LTD.,

is the name of a business well known not only in Cardiff but also throughout the country. As we mentioned in our account of the city in our Special Issue, the late Mr. Robert Drane founded the business in Bute Street in 1858, and removed it ten years later to its present premises, which were built to his own specification. The present chairman and managing director, Mr. Alec Samuel Johnson, was educated at Abergavenny Grammar School, served his apprenticeship to Mr. W. R. Selleck, Ph.C., Stourbridge, and qualified in 1903. After further experience in London, Ilfracombe and Malvern, he went to the late Mr. Robert Drane in 1905 as senior assistant, and became his managing assistant in 1910. Mr. Drane, on his decease in 1914, bequeathed his business and premises to Mr. Johnson and his fellow assistants, Mr. A. J. Harris and Mr. E. Jones, who formed a private company, Mr. Johnson becoming chairman and managing director. Since that time Mr. Johnson has given of his leisure wholeheartedly to pharmaceutical matters and to public affairs. He has been president of the Cardiff Pharmacists' Association; during his year of office (1918-19) he furthered the establishment of the Welsh College of Pharmacy. Mr. Johnson is a member of the Technical Instruction Committee of Cardiff Education Committee, and has recently been re-elected chairman of the Retail Pharmacists' Union (Cardiff and District Branch). He has been secretary of the Cardiff Pharmaceutical Committee for over twelve years, and has been appointed the pharmacists' member of the Cardiff Insurance Committee (on various subcommittees of which he serves) for a third period. As honorary pharmaceutical adviser to the Cardiff Royal Infirmary (where he has been elected to the Board of Management) Mr. Johnson has done much valuable work. In 1925 he was responsible for obtaining for the Infirmary, through the generosity of Sir William Edgar Nicholls, the munificent gift of the Convalescent Home at St. Mellons. Mr. Johnson is vice-president of the Cardiff Institute for the Blind (to which institution his company has subscribed liberally for thirty years), a Commissioner of Income Tax for the City of Cardiff, a vice-president of the Cardiff Business Club, and a sidesman (and acting churchwarden) of St. John's Parish Church.

## DUCK & SON,

St. John's Square and Whitchurch, is the style of a business established in 1886, the founder being Mr. R. W. Duck, who unfortunately died in the following year. He was succeeded by his son, Mr. W. G. Duck, the present proprietor. After serving an apprenticeship with Treharne & Duck, Bute Docks (in which firm his father was a partner), Mr. Duck gained further experience at Worcester, Cheltenham and Bath. He qualified in 1887, and has devoted his time and energy to establishing one of the finest individual pharmacies in the provinces. He is assisted by his son and Mr. J. W.



SOME CARDIFF CHEMISTS

B.P.C. 1930



LEE JONES



G. LOYLEY



LINA M. MURRAY



H.M. LLOYD



A. HAGON



J. MURRAY



A.S. GORDON



J.D. JENKINS



H.A. HOBBS



JABEZ A. JONES



R. ROBINSON



E.G. HOWELL



S.W. HAGUE



S.B. EASON



ALEC S. JOHNSON



Archer, the latter having been general manager for many years. Mr. Duck has never sought the limelight of public service, but has always taken a keen interest in the affairs of the local Association. He is well known and esteemed by his fellow craftsmen in and around Cardiff, many of whom have been either his apprentices or his assistants. In his spare time he favours golf and fishing near his country house on the Teign in South Devon.

#### MR. CHARLES FARGHER,

Sploft Bridge, came to Wales just over forty years ago to visit his brother—who was headmaster of Penarth Council schools for thirty-two years—and was so pleased with Cardiff that he decided to settle in business there. He has worked up a connection, which now extends over South Wales and the West of England. Mr. Fargher has been a member of the Cardiff Pharmacists' Association ever since its inception.

#### W. FURNIVALL & SON

is the style of a business at 113 City Road, and claiming to be the oldest hereditary pharmacy in the city. It was founded in 1872 by the late Mr. W. Furnivall, son of Dr. W. Furnivall, of Hutton, near Weston-super-Mare, and for some time in business at Weston before opening in Cardiff. The present proprietor, Mr. W. H. Furnivall, is a son of the founder, and was trained in the business. After qualifying in 1891 he was taken into partnership, and later he succeeded his father. The firm has had a long and honourable connection with local pharmaceutical affairs. Mr. W. H. Furnivall was one of the original members of the Cardiff Pharmacists' Association, and has held office as president. Some of the firm's proprietaries have a considerable reputation.

#### MR. A. S. GORDON

is a native of Portsoy, Banffshire. He served his apprenticeship with the late Mr. J. Clark of that town, and gained further experience with the late Mr. R. L. Hendry, Edinburgh. He qualified in Edinburgh in 1915, and shortly afterwards joined the Royal Engineers. After two years he was wounded and discharged from the Army as physically unfit for further service. Several positions as a qualified assistant were followed by managements in Cheltenham and Llandaff. Mr. Gordon's present business at 5 Salisbury Square was founded in 1881. It was purchased by him in 1920 from the late Mr. R. Prust, who had previously taken it over from Mr. T. M. Jenkins—still alive at the age of eighty-six. The business is middle-class, chiefly dispensing and family trade.

#### ALBERT HAGON, LTD.,

5 Bute Street, is one of the oldest-established pharmacies in Cardiff. Mr. Hagon originally commenced business at 52 Bridge Street over half a century ago. A branch was opened at Coburn Street, Cathays, and later the business of the late Mr. Thomas Williams at 11 Bute Street was purchased. About thirty years ago Mr. Hagon closed all three shops and moved to 5 Bute Street, where he concentrated his energies. He built up a good family trade, and his name is now a household word in Cardiff and South Wales. In 1918 the business was turned into a limited liability company, with Mr. James Murray, chemist and druggist, formerly manager, as managing director. Mr. Hagon was a member of the Council of the Pharmaceutical Society for eighteen years, and is well known to chemists all over the country. He has held all the honours his brother pharmacists in the city could confer upon him, and it was with deep regret that his resignation was accepted from the various committees. The business is of the professional type, proprietaries being a secondary consideration. An optical department has been carried on for the past twenty-five years and is at present managed by Miss Maisie Murray (a daughter of the managing director), who is also a qualified chemist. Mr. James Murray is secretary of the Local Executive

of the Conference. He has been secretary and president of the Cardiff Pharmacists' Association, and is at present a member of the local Pharmaceutical Committee. Mr. Murray's interests include golf, bowls and the Caledonian Society. As secretary of the Cardiff Pharmacists' Golf Club he has been responsible for many successful tournaments in aid of the Benevolent Fund.

#### MR. S. W. HAGUE

is the proprietor of a pharmacy in Carlisle Street established some thirty-five years ago. During the time of its first proprietor, Mr. David Hughes, it was a very popular and well-conducted family business; but after Mr. Hughes's time it suffered many vicissitudes. During the early part of the war period it was, in fact, used by the authorities as an enlisting station. Mr. Hague rescued it from this anomalous position and has carried it on successfully ever since, with the addition of two branches. Mr. Hague has always taken an interest in affairs affecting his locality, and was in control of the Glamorgan Red Cross V.A.D. 113, with a membership of over 200, during the war. He has been invited to stand for the City Council on three occasions, but has preferred to devote his energies to more purely social and charitable interests; he is, however, on the local Council for Rumney. Mr. Hague is a past-president of the Cardiff Pharmacists' Association, and first secretary of the Society's Branch, and has served on all committees from time to time. He is local P.A.T.A. secretary and secretary of the local R.P.U. Executive; he also serves on a subcommittee of the Welsh College of Pharmacy.

#### MR. HENRY A. HOBBS, Ph.C.,

has an old-established pharmacy which has recently been so enlarged and modernised as to compare favourably with any other shop of its kind in South Wales. Mr. Hobbs was educated at Hart House School, Tregony, Cornwall, and at the age of sixteen entered the pharmacy of the late Mr. Arthur Pumphrey, High Street, Burnham, Somerset. The four years under the direction of Mr. Pumphrey were really enjoyed, as every facility was given for the preparation of galenicals, and many specialities were prepared and packed on the premises. Mr. Hobbs passed the Minor examination in 1899 and the Major in 1900, both from the South London College of Pharmacy, at the head of which was the late Dr. Muter. Further experience was gained with Mr. F. Sarson, Paignton, and at the Lancaster Gate branch of Savory & Moore, Ltd. After leaving London Mr. Hobbs took up locum work in various places, including Falmouth and Eastbourne, and in his spare time studied optics, securing the F.S.M.C. qualification in 1904. In April of that year he took over the pharmacy of the late Mr. John Richards, Royal Buildings, Penarth, where he is now assisted by his son, Mr. Henry T. Hobbs, Ph.C., F.S.M.C.

#### MR. R. L. HOPKINS,

of High Street, Barry, was apprenticed to his late father and qualified from the London School of Pharmacy in 1915. Owing to the sudden death of his father he had to return at once to take over management of the business. The pharmacy was established in 1888, and now includes an up-to-date optical department. Mr. Hopkins is assistant secretary of the Cardiff Pharmacists' Association and Branch of the Pharmaceutical Society, and holds a similar position in the publicity and finance committees of the Conference.

#### MR. E. G. HOWELL

is a native of Fishguard, and was educated at Fishguard Grammar School, Swansea Grammar School and Cardiff University College. He served his apprenticeship with the late Mr. J. T. Davies, Swansea, and afterwards studied at the London College of Pharmacy, from which he qualified in 1908. Then followed experience in West End pharmacies, after which he commenced business in 1910 on his own account at 37 Whitchurch Road, Cardiff. Success



attended his venture, and shortly afterwards he was able to open branches in North Road and Queen Street. Mr. Howell is a keen golfer, a member of the respective committees of the Pembrokehire Society and the Gabalfa Ratepayers' Association, and convener of the housing committee of the Conference.

#### MR. J. D. JENKINS

was born at Swansea, and served his apprenticeship with the late Mr. Moses Jones of that town. He qualified in 1888, afterwards gaining experience in London, Nottingham, Guernsey, Aberystwyth and Bradford, and then commenced business on his own account at Cardiff in 1898. From the outset of his association with the city he took an active interest in pharmaceutical politics, and was a foundation member of its Pharmacists' Association. During the war Mr. Jenkins was in charge of the dispensary at the Cardiff Barracks and secretary of the local Pharmaceutical Committee; the strenuous work of this period resulted in a serious breakdown of his health. Mr. Jenkins is greatly esteemed by his fellow pharmacists for his energy, and is most popular on account of his genial nature. He has worked persistently and persuasively on behalf of the Benevolent Fund. His main recreations are wood-working and walking. Mr. Jenkins was president of the Cardiff Pharmacists' Association, chairman of the local branch of the Retail Pharmacists' Union and chairman of the Pharmaceutical Committee during 1928. He is now chairman of the Local Executive of the British Pharmaceutical Conference.

#### MR. JABEZ A. JONES

is one of the oldest pharmacists in Cardiff. He commenced his career in Birmingham, and, after enlarging his experience, passed the Minor examination in June 1874, when he was less than twenty years old. Then followed a short period of *locum* work, culminating in October of that year with a post in the pharmacy of the late Mr. Robert Drane, Cardiff. In September 1878 Mr. Jones commenced business on his own account in the Roath district, where he now resides. For the past fifty years he has taken an active part in public affairs, having served on the City Council for over six years, during two of which he held the position of chairman of the public works committee, in addition to serving at various times on other committees. He interested himself in the Cardiff Infirmary, and was chairman of the finance committee of that institution for two years. He was one of the founders of the Cardiff and District Pharmacists' Association, and three years later occupied the chair. Mr. Jones assisted in the formation of the Cardiff Chamber of Trade in 1911, and has held office as its president. For some years Mr. Jones was assisted by his son, Mr. A. Thornton Jones, and at the present time his grandson represents the third generation in the business.

#### MR. J. LEE JONES

carries on an old-established, good-class family dispensing business at 96 Albany Road, Cardiff, close to Roath Park. The business was founded in 1895 by Mr. Jabez Jones, managed from 1897 to 1901 by Mr. J. Lee Jones, and acquired by him in 1902. Mr. Jones was president of the Cardiff Pharmacists' Association in 1910, and has served on most of its committees. He has been a member of the local Pharmaceutical Committee since its inception except for a period due to ill health. He is a member of the finance and housing committees of the Conference, and takes a lively interest in all the work necessary to ensure the success of this year's meeting. Mr. Jones has a qualified daughter.

#### MR. HENRY M. LLOYD,

Merthyr Tydfil, is the son of the late Mr. Henry Lloyd, veterinary surgeon, Dowlais, was educated at Merthyr College, and was apprenticed to the late Alderman R. P. Rees, J.P., Dowlais. He passed the Qualifying examination in 1894, after experience in London, Cardiff, on the Continent and in the United States.

Soon after he qualified he opened his present business, and since then has been connected with all local pharmaceutical and public movements. Mr. Lloyd is a Fellow of the British Optical Association; he has also held office as president of the Merthyr Tydfil Chamber of Commerce, P.M. and D.C. of the North Glamorgan Masonic Lodge, member of the Consultative Council of the Welsh Board of Health, and a governor of the University College of South Wales and Monmouthshire. In 1928 Mr. Lloyd was elected president of the Welsh Association of Insurance Committees. He is on the reception committee of the Conference.

#### MR. E. G. T. LOYLEY

is chairman of the publicity committee and a member of the entertainments committee for the Cardiff Conference meeting. Mr. Loyley was born in London in 1878, and his first association with pharmacy was a journalistic one. For several years he was an editorial assistant on the staff of "The British and Colonial Pharmacist," later becoming assistant editor of "The Builders' Journal and Architectural Record." The proprietors of this paper launched a medical review, and he was appointed sub-editor. Later he accepted a position as manager of a newly introduced proprietary which, under his energetic management, became very popular. Mr. Loyley was appointed sales manager to Francis Newbery & Sons, Ltd., London, E.C., in 1915, and for the last two years of the war served in the Royal Army Medical Corps. On his return to business life he was invited to organise Messrs. Newbery's branch house at Cardiff, of which he became manager; and about two years ago he joined the company's board of directors. Mr. Loyley is held in the greatest esteem throughout South Wales, and the younger pharmacists owe much to his kindly interest in their welfare. Mrs. Loyley is a member of the ladies' committee, and has been of great assistance in the work of the Conference on the social side. Mr. and Mrs. Loyley are interested in motoring and in all sporting affairs connected with pharmacy.

#### MR. JOSEPH REYNOLDS,

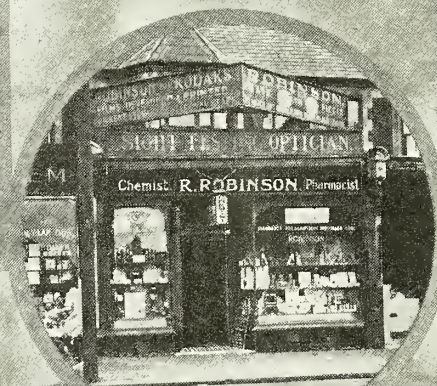
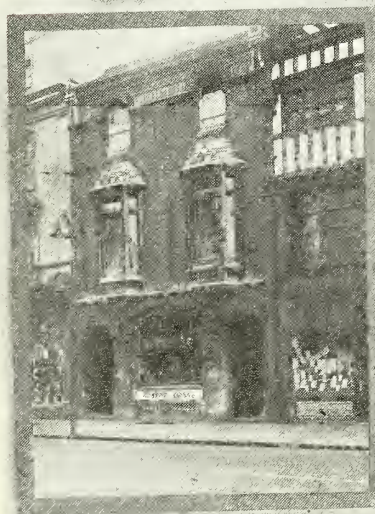
Mountain Ash, is a native of Aberdare, and served his apprenticeship in that town. Further experience was gained at Tonypandy and St. Leonards before qualification in 1891. The six years that followed were spent in West-End pharmacies, after which experience Mr. Reynolds returned to Wales to manage the Queen Street branch of Hicks & Co., Cardiff. In 1898 he opened a pharmacy at Barry Dock, where he identified himself with many of the social movements of the town. It was during this period that the Cardiff Pharmacists' Association was formed, and Mr. Reynolds was elected a member of the first executive, becoming president in 1908. On leaving the district in 1914 for Mountain Ash, he received a presentation from the Association, as well as a public testimonial from the townspeople of Barry. Mr. Reynolds holds many offices, including that of chairman of the Aberdare and Merthyr Pharmaceutical Association, local secretary of the Retail Pharmacists' Union and Proprietary Articles Trade Association, member of the Glamorgan Pharmaceutical Committee, and member of the Local Executive and the reception committee of the Conference.

#### MR. R. ROBINSON

was born at Blaenavon, Mon., educated at West Monmouth Grammar School, and served his apprenticeship to the late Mr. John Young, High Street, Newport. He then went as assistant with Bottle & Co., Dover; Mr. V. Mills, Merthyr; and Bouly & Co., Bayswater, London, W. Mr. Robinson qualified from the City of London School and Westminster College in 1908, afterwards gaining further experience with Druce & Co., Oxford; Mellin & Co., London, W.; Pharmacie Jouard, Monte Carlo; Pharmacie Beonard, Cap Martin; and Frizell & Co., London, W.C. In 1912 he opened a pharmacy in Cardiff. On August 4, 1914, Mr. Robinson joined the Army, in which he remained till February



# SOME CARDIFF PHARMACIES





BRITISH PHARMACEUTICAL CONFERENCE 1930





1919, when he was invalided out with the rank of staff sergeant. A branch of his business was opened in 1925. Mr. Robinson has had considerable experience of public affairs. He has been vice-president of the Cardiff Pharmacists' Association, deputy chairman of the Publicity Club of Cardiff, a member of the committee of the Retail Pharmacists' Union's local branch, an honorary organiser in connection with the Cardiff shopping week, and a delegate to the World's Advertising Convention. He is a member of the Bute Lodge of Freemasons and a founder of the Carmel Lodge.

MR. J. MILES THOMAS

opened his present business at 74 St. Mary Street in 1926, a year of stress well remembered by chemists. The business is of a general nature, perfumery, toilet preparations and photography being strongly featured. The handsome shop front is of bronze with a black Belgian marble dado; the fascia is of white vitrolite with lettering in bronze. The island window in the centre reveals at a glance the up-to-date character of the front; and the interior fittings are of mahogany.

## British Pharmaceutical Conference

ARRANGEMENTS for the Cardiff meeting of the British Pharmaceutical Conference are now practically complete, and there is every prospect of a most successful gathering. Backed by the municipal and higher educational authorities, the chemists of Cardiff have been able to arrange their programme on a scale that might well have appeared impracticable in view of the prevailing conditions of industrial depression. But adequate financial supplies are in hand, and applications for tickets are already approaching 400, so that there is not only the promise of a large and representative attendance, but visitors will be provided for in a wholeheartedly hospitable manner.

It is gratifying to be able to record that Cardiff is being supported most cordially by other important Welsh centres, including Newport and Swansea in particular. The Local Executive Committee and its sub-committees have been steadily at work for some considerable time past, and there seems to be little, if anything, which can remain to be done. Nevertheless, enthusiasm increases as the date of meeting approaches, and finishing touches are continually being applied to the prospective arrangements. On Tuesday of this week the chairman of the Conference, Mr. J. T. Humphrey, met several of the chief organisers at lunch, and advantage was taken of the opportunity to effect slight rearrangements such as tend to smother working. Nothing now remains but to hope for fine weather and to remind intending visitors to Cardiff that immediate application for tickets and accommodation is desirable.

The following is a list of the science papers to be presented at the meeting of the British Pharmaceutical Conference at Cardiff on July 22 and 23:—

### TUESDAY, JULY 22

- (1) "Injection of Iron and Arsenic," by Charles M. Caines.
- (2) "The Variation of Specific Gravity and Refractive Index with Concentration of Camphor and Alcohol in Spiritus Camphoræ, B.P.," by F. H. Milner.
- (3) "The Assay of Stramonium Leaves and Tincture of Stramonium," by Charles M. Caines.
- (4) "The Diastatic Power of Malt and Malt Extract," by C. T. Bennett and F. C. L. Bateman.
- (5) "Studies in Emulsions"—(I) "The Examination and Analysis of Pharmaceutical Emulsions," by E. Lester Smith and G. N. Grinling; (6) (II) "Some Observations on the Manufacture of Pharmaceutical Emulsions," by E. Lester Smith and Violet Hazley; (7) (III) "A Factor Inhibiting the Emulsification of Cod-liver Oil," by E. Lester Smith.

### WEDNESDAY, JULY 23

- (8) "Crude Fibre: An Investigation of the 'Dutch' Process," by Samuel Goldberg.
- (9) "Diatomite: Its Analysis and Use in Pharmacy," by N. Ingram Hendey.
- (10) "A Simple Form of Continuous Extraction Apparatus," by P. A. W. Self and C. E. Corfield.
- (11) "The Determination of Total Alkaloids in Cinchona Bark," by P. A. W. Self and C. E. Corfield.
- (12) "The Variation in Colour Test Value of Commercial Samples of Cod-liver Oil," by F. J. Dyer and Frank Wokes.
- (13) "The Capsicum Tincture of the B.P.," by W. J. Beardsley and F. J. Bolton.
- (14) "Note on Extract of Colocynth," by E. M. Smelt.

- (15) "Glass Electrode Studies. I: Some Oxyacids of Phosphorus," by C. Morton.
- (16) "The Assay of Digitalis by the Cat Method," by A. D. MacDonald and Walter Schlapp.
- (17) "Notes on the Chemical Assay of Mercurochrome," by G. W. Marris.
- (18) "The Systematic Qualitative Analysis of Vegetable Extractives," by Allan H. Ware.
- (19) "The Rapid Iodimetric Determination of Iron in Scale and other Pharmaceutical Salts," by G. J. W. Ferrey.
- (20) "The Gravimetric Electro-Deposition of Metals, and its Application to Pharmaceutical Chemicals," by S. Gordon Liversedge.
- (21) "Iron and Ammonium Citrate, B.P.," by A. J. Jones and Norman Glass.
- (22) "Achromatic Indicators," by E. Lester Smith.

All qualified women attending the Conference in Cardiff are invited by the National Association of Women Pharmacists to attend a meeting arranged (by courtesy of the Conference Executive Committee) to discuss questions of interest to women in pharmacy. The time and place of meeting will be posted on the notice board at Conference Headquarters. Intending speakers should notify the secretary of the National Association of Women Pharmacists, Miss Hodgkinson, 115 Priory Road, London, N.8, of any subject they wish brought forward.

We are informed that a revised syllabus for pharmacy for the Chemist and Druggist and Pharmaceutical Chemist examinations will be presented for discussion by Messrs. H. Berry and D. McCall at the education meeting on July 22.

### The Conference Committees

The following are the members of the Conference committee shown on page 43:—

**LADIES' COMMITTEE (CENTRE).—Back Row:** Mesdames Mason, Hill, Foxall, Hopkins, Reynolds, Tyler and Day. **Middle Row:** Mesdames Williams, Brims, Gordon, Hobbs, Loyley, Poole and Edwards. **Front Row:** Mesdames Giles, Howell, Hague (vice-chairman), Jenkins (chairman), Murray (secretary), Badgett, Lee Jones and Mogg. **Other Members:** Mesdames Eason, M. Jones, Thomas, Foxhall, Hatten, James, Shelton, M. Murray, Hagon, Jones, Melville, MacArthur, Furnivall, Jenkins, Nyblad, Gilbert, Rees and Kent.

**ENTERTAINMENTS COMMITTEE (ABOVE, LEFT).—Back Row:** Messrs. Rees, Badgett, Gordon, Hobbs, Husbands and Loyley. **Front Row:** Messrs. Day, Hobbs, Ward (chairman), Davies (assistant secretary) and Wigley.

**FINANCE COMMITTEE (ABOVE, RIGHT).—Back Row:** Messrs. Brims, Owen Jenkins, Mogg and Harries. **Front Row:** Messrs. Eason (treasurer), Jabez Jones, Duck (chairman), Hagon and Hopkins (assistant secretary).

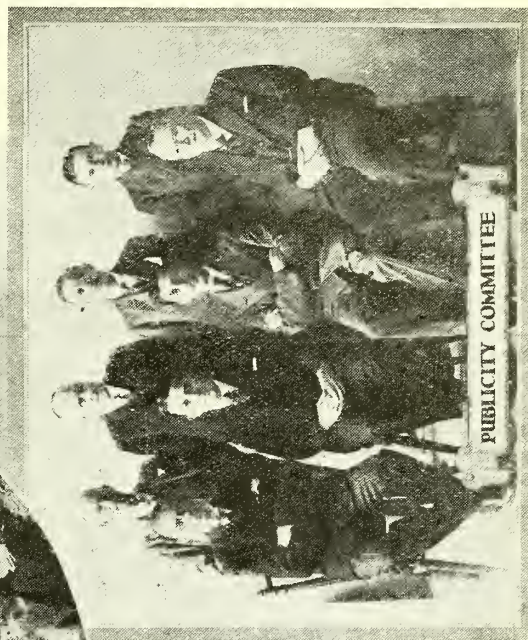
**HOUSING COMMITTEE (BELOW, LEFT).—Back Row:** Messrs. Lee Jones, Pym, Giles and Williams. **Front Row:** Messrs. Davies (assistant secretary), Howell (chairman) and R. Davies. Other member: R. Robinson.

**PUBLICITY COMMITTEE (BELOW, RIGHT).—Back Row:** Messrs. Edwards, Poole, Clarke and Lewis. **Front Row:** Messrs. Robinson, Hopkins (assistant secretary), Loyley (chairman) and Reynolds. Other member: J. Mason.





FINANCE COMMITTEE



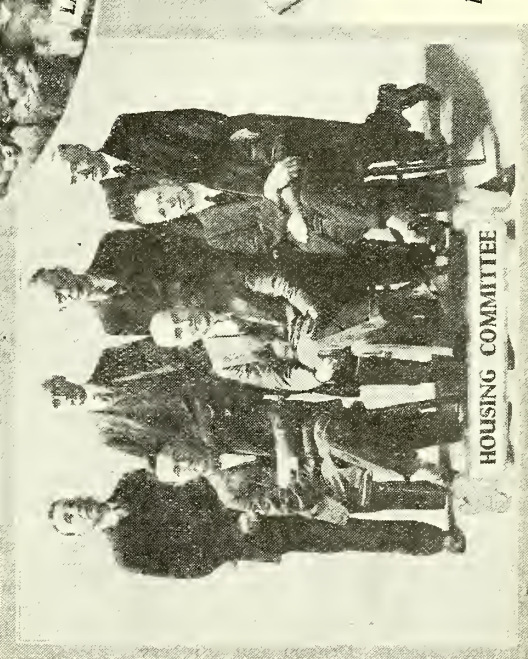
PUBLICITY COMMITTEE



LADIES COMMITTEE



ENTERTAINMENT'S COMMITTEE



HOUSING COMMITTEE

CONFERENCE COMMITTEES

CARDIFF 1930

Photos by  
E. & G. Thompson, Cardiff



## Australia's Amended Tariff

THE High Commissioner for Australia (Sir Granville Ryrie) has received cable advice from the Commonwealth Government that a schedule of proposed amendments to the Australian Tariff was introduced into the House of Representatives, Canberra, by the Acting Minister for Trade and Customs on June 19. The following proposals of interest to the drug trade have been made:—

Goods	British Preferential Tariff	General Tariff
Spiruous preparations, viz.: Essences, fruit ethers, aromas and flavours, lime juice and other fruit juices and fruit syrops, and spirituous preparations, n.e.i. Additional to each of previous rates <i>ad val.</i> (NOTE.—The above increase does not apply to fluid extracts, sarsaparilla, tinctures, or infusions.)	30%	45%
Ethyl chloride, spirituous or non-spirituous <i>ad val.</i>	35%	45%
Ethereal fruit essences and artificial fruit essences, ethers, aromas and flavours, non- spirituous, n.e.i. . . . . per lb. Or <i>ad val.</i> whichever rate returns the higher duty . . . . .	3/6 30%	5/- 45%
Oilmen's stores, n.e.i. . . . . <i>ad val.</i> Bottles, flasks, and jars over 8 drams fluid capacity, of cut glass empty or containing goods not subject to <i>ad valorem</i> duty <i>ad val.</i>	45% 35%	60% 60%
Previous item 250 (B) ("Glassware n.e.i.") becomes 250 (C) . . . . .	Rates unaltered	
Crown corks and bottle stoppers, not includ- ing glass bottle marbles and goods clas- sifiable under Item 395 . . . . . <i>ad val.</i>	45%	60%
Hot water bag stopper . . . . . <i>ad val.</i>	45%	60%
Cresylic acid . . . . . per gal. Or <i>ad val.</i> whichever higher	1/- 25%	1/3 35%
Carbide of calcium . . . . . per lb. Tartaric acid, cream of tartar and cream of tartar substitutes and phosphate of soda per lb.	2d. 5d.	2d. 8d.
Bismuth metal and salts . . . . . per lb.	8/-	10/-
Bates salve . . . . . <i>ad val.</i>	50%	60%

## Sporting Events

THE Scottish Chemists' Bowling Association held the opening match of the pairs competition for the Gibbs trophy on Albert Place Bowling Green, Stirling, on June 25. It was a perfect day. Messrs. J. Logan and J. T. Simpson won the trophy, beating their opponents, Messrs. J. S. B. Heddle and George Jarvie, by one shot. The company met in the Golden Lion Hotel for tea; after the usual vote of thanks, the chairman (Mr. W. Seivwright) called upon Mr. R. Baird (representative of D. & W. Gibbs, Ltd.) to present the trophy to the winners.

OVER a score of members of the Manchester and District Pharmacists' Golfing Society journeyed to Buxton on July 2 to compete for the annual prize provided by Mr. W. Griffiths Hughes. The weather conditions were ideal, and the Cavendish golf course was at its best. Mr. J. A. Collins (handicap, one) returned with the best score (2 down), thereby winning the prize. The second prize (given by the Golfing Society) could not be awarded, as Mr. Sturdy and Mr. Gardiner tied with 5 down. Competitors and friends were entertained to



Photo] [Cleworth  
Front row (in centre): Mr. W. Griffiths Hughes (in light suit)  
on right of Mr. J. A. Collins (holding prize).

tea by Mr. W. Griffiths Hughes, who presented his prize to Mr. J. A. Collins. Mr. T. Miller, in the unavoidable absence of the president (Mr. A. J. Pidd) and the captain (Mr. Fox), spoke in appreciative terms of the generosity of their host, and the esteem in which he was held by his fellow members. Mr. Hughes, in reply, said he heartily congratulated Mr. Collins on his performance, and was pleased to be among all his Manchester friends once more. Mr. Collins thanked Mr. Hughes for the handsome prize, and for the generous manner in which the Society had been entertained. A cordial vote of thanks was passed with acclamation.

A PARTY of twelve members of the angling section of the Glasgow Pharmacy Club visited Loch Leven for the annual two days' outing on June 23-24. On the first evening, in dull and cold weather, there were few fish rising. The results were:—Messrs. Askham (3) 2 lb. 3 oz.; Moffat (3) 2 lb. 1 oz.; Goldberg (2) 1 lb. 1 oz.; and Gardiner (2) 14½ oz. Messrs. Black, Bruce and Baird landed one each varying from 8½ oz. to 11 oz. The heaviest fish was in Mr. Askham's basket (1 lb.). Tuesday was described as a complete wash-out; few fish were enticed to taste the fare offered. The successful rods were those of Messrs. Gardiner (2) 1 lb. 9½ oz.; Moffat (2) 1 lb. 2 oz.; Messrs. Askham, McVittae, Black, Bruce, Baird and Dr. Symington, landed one each varying from 8 oz. to 13 oz. Mr. Gardiner, who is at present home on holiday from India, presented the section with a handsome silver trophy in the form of a "mahseer" (Indian salmon), which is to be for competition during the annual outing of two days to Loch Leven. Mr. D. G. McKenzie (president) accepted the trophy on behalf of the club. Mr. W. J. Moffat, having the best aggregate, is this year's winner with five fish weighing 3 lb. 3 oz., and Mr. Askham is runner-up with four fish weighing 2 lb. 13 oz. Mr. Gardiner made the presentation to Mr. Moffat.

## Retail Pharmacists' Union

### Branch Meetings

**Somerset.**—The annual meeting of the Somerset Branch was held on June 5. The retiring chairman (Mr. A. W. Williams), in the name of the Branch, tendered congratulations to Mr. W. Deacon on the result of the Council election. The election of officers for the coming year resulted as follows:—*Chairman*, Mr. H. T. Chettle (Clevedon); *Vice-Chairman*, Mr. H. W. Vanes; *Treasurer*, Mr. Hutchin; *Secretary*, Mr. F. Orchard. The financial statement showed a balance of £2 13s. 8d. in hand on January 1. The proposal to have a golf competition was rejected owing to the scattered area in which the Branch operates. Members of the local Branch of the Pharmaceutical Society had been invited to join in a discussion on the *Departmental Committee's Report and Draft Bill*. This was opened by Mr. W. Deacon, who advised everyone to purchase a copy of the report and study it. While it was not all that could be desired, there was good in it, and he urged that there should be constructive criticism. Several useful suggestions were forthcoming. Mr. E. Widgery was to have opened a discussion on *The Medicine Stamp Acts*, but time only allowed of a brief outline of the subject. The chairman thanked Messrs. Deacon and Widgery.

**BRITISH MEDICAL ASSOCIATION.**—A resolution has been passed by the Council of the British Medical Association to the effect that a certificate be drawn up in regular form for presentation, together with a badge, to members of the Association whose services are deserving of special record, and that the names of such members be entered in a book.



## Summer Outings

### Bradley & Bliss Ltd.

THE annual outing of the employees of Bradley & Bliss, Ltd., manufacturing chemists, Reading, was held on June 25, and took the form of a visit to the Zoological Gardens, London, where high tea was served. The party returned to Reading by train at midnight.

### West Kent Association's Outing

THE West Kent Pharmacists' Association were once more favoured with brilliant sunshine on their summer outing on June 18. Members and friends proceeded by motor coach to Maidstone Bridge, where they were joined by Mr. and Mrs. French, of Sittingbourne. The party boarded a launch and for the next hour and a half enjoyed a river trip to Yalding, where a fruit tea was provided.

### Mansfield Chemists' Motor Tour

THE annual outing of the Mansfield and District Branch of the Pharmaceutical Society took place on July 2. The party, numbering thirty, travelled by motor through some of the most interesting parts of Derbyshire. The first stop was made at Monsal Head, where an excellent tea was provided, and afterwards a ramble down into Monsal Dale was enjoyed. The party returned to Mansfield via Tideswell, where another stop was made to allow of an inspection of the church known as "the Cathedral of the Peak."

### Inverness Chemists Visit Fort Augustus

THE Inverness and Northern Scottish Branch of the Pharmaceutical Society held their summer outing recently, journeying to Fort Augustus by one side of Loch Ness and returning by the other. About forty members, their assistants and apprentices made up a very enjoyable party. High tea was served in the Lovat Arms Hotel, Fort Augustus, and most of the company took advantage of the visit to see through the Abbey. After some snapshots and a "movie" had been taken, a start was made for home about 8 p.m. Everyone expressed thorough enjoyment of the afternoon.

### Thomas Hodgkinson, Prestons & King

THE twenty-sixth annual outing of the staff of Thomas Hodgkinson, Prestons & King took place on June 28 in the form of a day at Margate. Dinner was served at the Grand Hotel, Mr. J. B. Sturrock in the chair. After the loyal toast, "Success and Prosperity to the Firm" was proposed by the chairman and replied to by Colonel A. C. Preston (senior partner), "Our Representatives" was given by Mr. H. Marshall (vice-chairman) and replied to by Messrs. Godbold and Saunders. The chairman then toasted "The Committee," and spoke of the amount of work entailed in organising such an outing. Messrs. Newson and Scrase replied. A pleasant return journey concluded a very happy day.

### A Successful Outing

THE annual summer outing of the staff of Meggeson & Co., Ltd., took place on June 14, under the chairmanship of Mr. H. Vincent Dodd (managing director). The party travelled by motor-coach from the works in New Church Street, London, S.E., to Margate, via Maidstone and Canterbury, a brief halt being made at Harrietsham *en route*. Luncheon was served at the St. George's Hotel, where the toast of "The Firm" was proposed by Mr. H. A. Green (works manager), and responded to by Mr. H. Vincent Dodd. "Our Guests" was submitted by Messrs. Randolph Dodd and R. Campbell Feather (directors), and responded to by Mr. W. G. Kay (secretary). The main direct road to London was followed on the return journey, the party arriving after an extremely successful day.

### Stockport Picnic

THE Stockport and District Branch of the Pharmaceutical Society held their annual motor charabanc picnic on June 13. The party proceeded via Whaley Bridge and Buxton to the New Inns Hotel, Dovedale, where lunch was served. After lunch a route was taken through the beautiful Via Gellia to Matlock, where a halt was made of an hour. During this time boating and other recreations were indulged in. The party then proceeded through Chatsworth Park to the George Hotel, Hathersage, where tea was served. After tea the return journey was made via Miller's Dale, Buxton and Disley, with a halt at Tideswell.

### An Interesting Visit

SEVERAL members of the East Metropolitan Branch of the Pharmaceutical Society visited Brentwood on July 3 at the invitation of the president (Mr. H. F. Hodgson), who, in conjunction with Mr. Broad and Mr. Hampton, of Brentwood, had made splendid arrangements for their entertainment. They first visited Great Warley Church, where the rector (Rev. F. L. Williamson) lectured on the beauties of that building. The gardens of the late Evelyn Heseltine were next viewed, special permission having been granted, and later South Weald Church. Those of the party who climbed the steps leading to the tower were rewarded with a magnificent view of Essex and adjoining counties. A walk through Weald Park and drive to the Lion and Lamb Hotel found all ready for the excellent high tea which was served. The visitors were welcomed to the historical town of Brentwood by Councillor A. G. Collis (Essex County Council). Mr. W. Potter, Mr. F. Maxey and Mr. J. Reed expressed thanks to the president and those who had assisted him for arranging that interesting visit and entertainment. Mr. Hodgson, acknowledging the thanks, said they had by no means exhausted the delights of Brentwood. After tea the party was conducted round Brentwood Grammar School.

## New Books

Petiteau, S.—*Manuel de Droguerie-Herboristerie*. 6½ in. by 4½ in. Pp. 437, with 146 illustrations. 25 fr. J. B. Baillière et Fils, 19 Rue Hautefeuille, Paris. [This compact volume comprises (1) a compendium of legislation affecting herbalists and druggists in France; (2) *materia medica*; (3) a tabulated list of drugs and chemicals followed by a selection of formulas.]

Cooper, J. W., and Appleyard, F. N.—*A Course in Practical Pharmacy*. 7½ in. by 4½ in. Pp. 148. 7s. 6d. Pitman & Sons, Ltd., Parker Street, London, W.C.2. [The course of instruction devised in this book is "based upon similarity of process of preparation." It comprises ten chapters and four appendices: two of the appendices are devoted to French pharmaceutical monographs and two to German examples. The authors emphasise the desirability of analytical or other checking of finished products by the student.]

*Botanical Society and Exchange Club of the British Isles: Annual Report, 1928*. 10s. [The report for 1928 (with balance sheet for 1927) of the Botanical Society and Exchange Club of the British Isles, prepared by the secretary, Dr. G. Claridge Druce, F.R.S., has been recently issued and forms Vol. VIII, Part V, of the series. The principal article on "British Brambles," pp. 851-866, by Miss C. G. Trower, is accompanied by thirty-four plates of *Rubus*. Other articles include: "Notes on some Hampshire Orchids," "Notes on the Vegetation of Zetland," "Notes on *Potamogeton Natans*, L.," "British Batrachia," "The Flora of Foula (Shetland)," "Notes on *Mentha*," with new county and other records, and plant notes for 1928. The supplement to the report (pp. xxxviii + 112, with one plate) deals with "The Flora of West Ross," by Dr. Druce, with introductory sketches of the topography and climate and also biographical notices of those who have contributed to the flora since 1778.]



# The Bankers' Manifesto

I—By N. G. Blenkinsop, Director of May & Baker, Ltd.

THE bankers' manifesto comes as a relief from the pusillanimous political wranglings of past years. Hitherto, the tariff proposals of the Conservatives have been tempered by the fear of giving the public too large a pill to swallow. The Liberal and Labour parties have used the bogey of dear food and a rise in the cost of living as an electioneering manoeuvre. We now have a consideration of the whole question in the interests of the nation by a non-political body of men, who are undoubtedly better informed regarding the tendency of the country's trade, and the financial position, than any of the political parties.

Although it is not stated in the manifesto, it will be assumed that the free import, even of Empire goods, will be reciprocal. A position in which one of the Dominions (as has recently been the case with Australia) can impose a prohibitive duty on, for instance, bismuth salts,\* and at the same time import all her products free into this country, would be intolerable. It should also be a *sine qua non* of protection that much of the additional revenue earned by manufacturers from the larger share of the home trade which they will secure should be expended on the modernisation of plant with the object of cheapening costs of production, both for the home market and the export trade. We only regret that the bankers' manifesto did not come earlier, although, if it had, it is doubtful whether it would have made the same impression as it has done to-day.

## II—By "Observer"

The manifesto issued by a certain number of bankers in their individual capacities (not as representing their banks), particularly as it follows on the heels of the Trade Union Congress report, is of considerable importance.

An important letter of Sir Josiah Stamp appeared in "The Times" on July 7, in which he points out an ambiguity in the manifesto. Without doubt there is great need for Imperial consolidation, but so far the Colonies and India are not showing that enthusiasm one would have hoped; in fact, the Indian boycott of British textiles and drugs, being very effective, is not at all propitious to any form of Imperial reciprocity. The bankers' resolution states that the best hope of extending British exports is in trade agreements to be made between the British Empire countries, and that as part of those agreements Great Britain must be prepared to impose duties on all imports from all other countries.

So far as the chemical and drug trade is concerned, a great deal more than is being done ought to be done in the way of utilising the products of the Empire, and of cultivating drugs not hitherto cultivated in the Empire. We can obtain from the Empire pretty nearly all we require, with the exception of potassium. It amounts to this: that what has been done in industry should be done in the Empire. Call it what you will—rationalisation or utilisation of the resources, or even common sense. Many things must be taken into account, such as the availability of raw materials, cheap water and electric power, the nearness of markets, the value of products in relation to the cost of transport and the supply of trained technical experts with the necessary ability. Many of the heavy chemicals and fertilisers have the raw materials for their manufacture at hand, and present no great difficulty as regards production in many parts of the Empire. However, when it comes to the manufacture of fine chemicals by complicated processes, dyestuffs and similar things, neither the necessary plant nor the trained chemists are available in the various parts of the Empire. It is obvious, therefore, that if Great Britain deals with these highly skilled chemical and technical processes, the Empire

providing the raw materials and the heavy chemicals, mutual co-operation and support would result in a much brighter future prospect for industry, both at home and in the Colonies.

With regard to quinine, at present almost all the raw material comes from Java: why should not India provide cinchona bark? It could do so after a time in sufficient quantities to meet all British requirements. India could then commence a new industry, not only of providing the cinchona bark, but of the extraction of the active ingredients in crude form, thus lessening the weight of raw material to be transported. The quinine salts could be made and refined in this country, where the chemists and the apparatus are ready for the purpose. A similar type of case has actually occurred with regard to sandalwood oil, and India has been exporting a compact and valuable oil instead of heavy and cumbersome tree trunks. There are many other similar possibilities only awaiting development. The great difficulty is not with this country, but with the various Colonies and with India.

However, there must be greater co-operation between industrialists in this country and in the various Colonies and Dominions. It will need time and effort, but a great deal can be accomplished. The resources of the Empire are illimitable, and should be developed to provide raw materials required for home industry. At the same time, home industry should manufacture and supply those products which cannot be as well or as cheaply made in other parts of the Empire. Co-operation is essential, so that effort be not wasted, and so that all the available resources shall be utilised to reap the greatest possible harvest. Communication and transport have brought the scattered outposts of the Empire nearer together than ever before, and with proper development there is every reason to think that great improvements can be made and the unemployment problem greatly curtailed.

This is not merely a political question: it is an economic one, and should be looked at from that viewpoint. We have to realise that we are faced with competitors as never before. England has difficulty in keeping her foremost place in many industries, particularly in the chemical trade. In addition to that, hours of labour and wages in some of the Continental countries do not compare at all favourably for us with those existing in our own land, which adds to the difficulty of the situation. These things have to be considered in the light of present-day circumstances.

There is great scope for development in the cultivation of medicinal trees and plants in order that the Empire can supply us with essential oils, drugs and active principles for the preparation of alkaloids, leaving it for the skilled workers of this country to purify and prepare for the market the goods thus produced within the Empire.

## Wills

MR. W. M. MANSON, chemist and druggist, Edinburgh, left personal estate valued at £4,606.

MR. HERBERT MASON, of 49 Grange Road, Southport, Lancs, retired pharmacist, who died on March 4 last, left estate of the gross value of £11,887 14s. 1d., with net personalty £10,518 12s. 2d.

MR. EDWARD ERNEST JACKSON, of Hillbrow, Crediton, Devon, managing director of Ernest Jackson & Co., Ltd., manufacturing chemists, left estate of the gross value of £7,003 10s. 8d., of which £4,601 9s. 9d. is net personalty.

MR. THOMAS LLEWELLYN, of Trewen, Park Street, Bridgend, chemist and druggist, who died on November 20 last, aged seventy-two, left estate of the gross value of £9,690 13s. 4d., with net personalty £9,599 18s. 7d.

MR. JOHN BORRETT FANCOURT, of 8 Fairfield Avenue, Staines, chemist and druggist, who died on March 25 last, aged 54 years, intestate and a bachelor, left estate of the gross value of £4,378 19s. 9d., with net personalty £4,297 18s. 11d.

\* A duty of 8s. per lb. has recently been imposed on all bismuth salts of British manufacture imported into Australia, and a duty of 10s. per lb. is applied to bismuth salts of foreign manufacture.



## Trade Notes

CLAY & ABRAHAM, LTD., 87 Bold Street, Liverpool, set forth in their advertisement in this issue the merits of Ephedrol, an application for nasal catarrh and similar troubles.

DR. CASSELL'S TABLETS.—Chemists are reminded that the latest date for special bonus terms on Dr. Cassell's Tablets is July 16. Particulars of the offer appear elsewhere in this issue.

THORNTON & ROSS, LTD., Milnsbridge, Huddersfield, are supplying perfumed bath ammonia neatly packed in cartons to retail at a popular price. A showcard is included with each order.

A NEW INSECTICIDE.—O-Cedar, Ltd., Slough, have introduced a new insecticidal spray and spray pump. Chemists are invited to write for special window display terms for July and August.

BATH CRYSTALS.—A. Bourjois et Cie, Ltd., 4 Water Lane, London, E.C.4, advertise in this issue a new line of bath crystals which, we are informed, will not deliquesce under display or other conditions. Three popular odours are available.

FIRMS conducting or contemplating national advertising will find matter for thought in an announcement, on another page, of a book entitled "Sell to Britain through the 'Daily Mail.'" The address of the publisher is Northcliffe House, London, E.C.4.

HAWLEY'S I.K.—Evans Sons Lescher & Webb, Ltd., Liverpool and London, request us to state that the last line of their advertisement of Hawley's I.K. in our issue of July 5, should read "... a profit of over 70 per cent. on outlay," and not as printed.

SELO ROLL FILM.—Selo, Ltd., Warley, Essex, have issued a circular letter deprecating the action of some dealers in supplying Selo films for resale to other traders without permission, with the result that in some cases *bona-fide* dealers are meeting outside competition.

ICED EAU DE COLOGNE.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, have brought out an "Iced eau de Cologne" at a popular price. The product is contained in a simple bottle moulded in elegant lines, and, as its name implies, leaves a cool sensation after being dabbed on the skin.

DYES.—The fashion and the summer weather alike are strong supporters of Luton straw hat dyes, and Auroral cold water dyes, both, as is well known, the products of Whitaker & Co. (Kendal), Ltd., Kendal. Chemists may safely give prominence to these lines, which have established themselves in popular favour.

WARDONIA OFFER.—Thomas Ward & Sons, Ltd., Sheffield and Warrington, are offering a genuine 9d. Midgley's shaving stick with each 1s. 3d. packet of five Wardonia New Edge blades purchased. The offer is being nationally advertised. Full trade terms and details will be found in the advertisement pages of this issue.

PURE DEXTROSE.—We have received from Corn Products Co., Ltd., Bush House, Aldwych, London, W.C.2, a sample of Dextrosol brand pure dextrose, together with copies of letters and an explanatory booklet which are being addressed to doctors and chemists. The product, we are informed, shows on analysis a purity of 99.65 per cent., and is indicated in numerous conditions.

EPHEDRINE.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have issued a pamphlet conveniently summarising the medical uses of ephedrine. Our attention has been directed to an aqueous solution of ephedrine hydrochloride for use as a throat spray, put up in 30-c.c. bottles; a compound inhalant similarly sent out; and an ephedrine nasal jelly, retailing at 1s. 3d. a (collapsible) tube.

## Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

### APPLICATION AMENDMENT AFTER ADVERTISEMENT

"B.M.C.P." with two interlocked triangles ("B.M.C.P." disclaimed); for magnesium carbonate, magnesium oxide and magnesium hydroxide (3). By B. M. Chemical Products, Ltd., 49 Eastcheap, London, E.C.3. 500,999.

(From "The Trade Marks Journal," June 11, 1930.)

"SERENIUM"; for a preparation of diamino-azo-benzol (3). By Ostro Research Laboratories Inc., 501 West 145th Street, New York, U.S.A. 510,477.

"LALINCAU"; for a medicine for duodenal ulcer (3). By J. Craig, 229 Oldham Road, Failsworth, Manchester. 512,080.

"FRU-VIT"; for laxative sweetmeats (3). By F. W. Hampshire & Co. (1927), Ltd., Sinfin Lane, Derby. 512,144. (Associated.)

"INDIPAX"; for medicines (3). By Indipax Products, Ltd., 4 South Place, London, E.C.2. 512,916.

"HOZONTENE"; for food substances (42). By Hough, Hoeson & Co., Ltd., Sun Buildings, Bridge Street, Manchester. 512,573. (Associated.)

"NUMOR"; "KOLMOR"; for perfumery, etc. (48). By C. Abrahams, 646 & 647 Salisbury House, London Wall, London, E.C.2. 512,532/533.

"MAYBELLINE"; for perfumery, etc. (48). By T. L. Williams, 5900 Ridge Avenue, Chicago, Illinois, U.S.A. 507,588.

(From "The Trade Marks Journal," June 18, 1930.)

"SANDOZ" with "S" in triangular shape; for chemicals (1). By Chemical Works Formerly Sandoz, 60 Fabrikstrasse, Basle, Switzerland. B511,931.

"PANTO"; for photographic plates and films (1). By I. G. Farbenindustrie A.G., Mainzerlandstrasse 28, Frankfurt-on-Main, Germany. 512,294.

"PHANTOPLASM"; for photographic plates and films (1). By V. Donington, 9 St. James' Terrace, Regent's Park, London, N.W.8. 512,926.

"ALTEX"; for manufacturing chemicals (1). By British Dyestuffs Corporation, Ltd., Hexagon House, Blackley, Manchester. 512,941.

"PYNELLA"; for disinfectants (2). By R. S. Clare & Co., Ltd., 8 to 15 Stanhope Street, Liverpool. 512,832.

"TAYTONA"; for veterinary tonic powders (2). By Taylor & Son, 42 The Crescent, Slough, Buckinghamshire. 512,349.

"LEVUROL"; "STRONTYL"; "OPOSINOL"; for tablet medicines (3). By Forsyte, Ltd., 38 Buckingham Palace Road, London, S.W.1. 502,308/309/310.

"RAVETLLATPLA"; for medicinal chemicals (3). By Dr. Ramón Plá Y Armengol, 114 Avenida de la Virgen de Montserrat, Barcelona, Spain. 509,111.

"MRS. CULLEN'S POWDERS" with label design including words "CULLEN & RAWDON, chemists," for headache powders, etc. (3). By I. Davison, 46 High Street, Portadown, County Armagh, N. Ireland. B510,541.

"CETOQUIN"; for medicinal tablets (3). By D. H. Moore, Ashcombe Pharmacy, Ashcombe Road, Weston-super-Mare. 511,723.

"KARTO"; for medicinal chemicals (3). By Kaylene, Ltd., 7 Mandeville Place, Wigmore Street, London, W.1. 511,861.

"JAM-BREE"; for medicinal chemicals (3). By A. E. Starkey, 170 Merton Road, Wimbledon, London, S.W.19. 511,988.

"URACE"; for medicinal chemicals (3). By Healey Royle & Co., Ltd., 16-34-38 Provost Street, City Road, London, N.1. 512,720.

"PYRESTAESIN"; for all goods (3). By A.G. Vorm. B. Siegfried, Brühlen 830, Zofingen, Aargovia, Switzerland. 512,952.

"SAVOLAS"; for surgical instruments, etc. (11). By M. Taylor, R. C. Bennett and N. de Lacey, 170 Tower Bridge Road, London, S.E.1. 512,614.



## Births

Notices for insertion in this column must be properly authenticated.

HODGKISS.—On July 7, Sylvia, wife of G. T. Hodgkiss, M.P.S., 311 Wimbledon Park Road, London, S.W.19, of a daughter.

WYNTER.—At Luton, on July 3, the wife of H. W. S. Wynter, chemist and druggist, of a son.

## Marriages

BARCLAY—FRESSON.—On June 25, at Holy Trinity Church, Brompton, London, S.W., by the Rev. Prebendary Gough, Innes Barclay, B.A.Cantab., only son of Mr. and Mrs. Barclay, of Metchley Grange, Birmingham, to Christine D'Almayne, youngest daughter of Mr. and Mrs. Fresson, of Grove End, Northwood.

MANTELL—PORTLOCK.—At Bromley (Kent) Parish Church, on July 2, by the Rev. Gilbert Williams, Stanley T. Mantell to Violet Portlock, daughter of Mr. H. P. Portlock (Winton's Drug Co., Ltd.).

SHANNON—FIELDING.—At St. Mary's Church, Haddington Road, Dublin, by the Rev. J. Hooke, C.C., assisted by the Very Rev. F. M. Browne, S.J., Joseph, only son of Mr. J. P. Shannon, South Circular Road, Dublin, to Ita Mary, only child of Mr. P. J. Fielding, Ph.C., Cork.

WALKER—BUTTON.—At Camberwell, London, S.E., on June 14, Leslie John Walker, Ph.C. (Potter & Clarke, Ltd., manufacturing chemists, London, E.1), to Doris Winifred Button.

### Silver Wedding

CLEWORTH—WILLIAMSON.—At Christ Church, Moss Side, Manchester, on July 5, 1905, by the Rev. J. W. Challenor, John Cleworth, M.P.S., only surviving son of Mr. William Cleworth, Vicarage Square, Leigh, Lancashire, to Alice Williamson, youngest daughter of Mr. James Williamson, Greenheys, Manchester. Present address: 56 Ducie Street, Greenheys.

## Deaths

ANDERSON.—At 60 Forfar Road, Dundee, on June 24, Jane Horne, wife of the late Mr. A. B. Anderson, chemist and druggist. Mrs. Anderson was president of the ladies' committee when the British Pharmaceutical Conference met in Dundee in 1902, and was a frequent visitor at the annual meetings of the Conference.

BEATTIE.—At 4 Viewforth, Edinburgh, on July 7, Grace Blackwood, wife of Mr. Peter R. Beattie, chemist and druggist, Edinburgh.

BEDDIE.—At Aberdeen, recently, Mr. William A. Beedie, dispenser at the Aberdeen Dispensary for forty-two years, aged sixty-eight. Mr. Beedie served his apprenticeship with Davidson & Kay, chemists, Union Street. He is survived by a widow.

DUNN.—At Bridport, on May 23, Mr. Isaac George Dunn, chemist and druggist, aged sixty-eight.

HUGHES.—On July 1, Mr. Richard David Hughes, chemist and druggist, Lyndhurst, Denbigh, aged eighty-four. Mr. Hughes, who was a native of Gwyddelwern, Corwen, had carried on business at Denbigh for forty-three years. He leaves a widow and one son, Mr. H. Reginald Hughes, chemist and druggist, Abergele.

PARKINSON.—At "Northfields," Dordon, Atherstone, on June 22, Mr. Frederick William Parkinson, chemist and druggist, aged seventy-nine.

WARD.—At the Pharmacy, Upper Waterloo Road, Cardiff, on July 7, Mrs. Barbara Ward, mother of Mr. E. A. Ward, chemist and druggist, aged fifty-three.

WHITEHEAD.—On July 3, Mr. Robert Lascelles Whitehead, for many years a representative of James F. Wilkinson, medical printers, Pendleton, Manchester. Mr. Whitehead enjoyed the esteem of numerous pharmacists in the North of England; having a rich sense of humour, he was one of the worthies of the road of a type now almost unknown.

WOOD.—At his residence, 242 Abbey Hills Road, Oldham, on July 4, Mr. John Edward Wood, chemist and druggist, aged fifty-nine. Mr. Wood was the proprietor of the firm of Granville Wood & Co., chemists, Ascroft Street, Oldham and had been associated with the business for forty years. He was a member of the Clemency Lodge of Freemasons.

## Personalities

MR. W. J. E. GOULD, chemist and druggist, Teddington, has been elected president of the local Rotary Club.

MR. T. WOOD, chemist and druggist, Macclesfield, has been elected a member of the executive committee of the local traders' association.

MR. A. E. YOUNG, Leicester, has been installed as president of the Leicester Rotary Club for the coming year, in succession to Mr. A. Cholerton (A. de St. Dalmas & Co., Ltd.).

MRS. MURRAY, secretary of the Cardiff Ladies' Conference Committee, while playing in the golf semi-finals of the mixed foursomes recently, had the misfortune to slip and sprain her foot badly.

As an indication of their good wishes on the occasion of his marriage, the directors of Potter & Clarke, Ltd., manufacturing chemists, London, E.1, gave Mr. Leslie J. Walker, Ph.C., a cheque, and the staff presented him with a cut-glass fruit set and centrepiece.

It is announced that Sir Charles Martin, M.B., director of the Lister Institute of Preventive Medicine, London, S.W.1, and Professor Arthur Harden, head of the Institute's department of biochemistry, are about to retire on completion of their periods of service, and will be succeeded by Professor J. C. G. Ledingham, M.B., head of the department of bacteriology, and Dr. R. Robinson, of the biochemical department, respectively.

MR. A. E. HOBBS, Ph.C., Brakinston, Langton Green, is sailing for Canada on the s.s. "Montclare" from Southampton on July 11, accompanied by Mrs. Hobbs. Mr. and Mrs. Hobbs expect to be away for about three months. At the annual meeting of the Provincial Grand Lodge of Freemasons of Kent, held at Maidstone in June, Mr. Hobbs was appointed and invested as Assistant Provincial Grand Master of Kent by the Rt. Hon. Lord Cornwallis, the Provincial Grand Master.

## Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/126. Bijon Enchante solid perfume	S/47. Hercules suspensory bandages
S/256. Crown brand Epsom salts	W/206. Index asthma powder
H/77. Glucin (for sea-sickness)	C/257. Intelligol
L/236. Guerginiol tablets	K/217. Lilliput razors
	B/236. Novotoxin
	K/57. Quergemol tablets
	H/57. Wizard elastic hosiery



# Observations and Reflections

By Xrayser III

## Professor Clay's Views,

as reported in your last week's issue (p. 12), are extremely refreshing, and seem to me worthy of the widest possible circulation. This country was bound to be more badly hit than others by a widespread interruption and dislocation of normal industrial activities, and the vast extent of the dislocation from which we are suffering appears quite sufficient to account for the comparatively slow process of recovery. The trouble is that politicians have felt themselves compelled to act as economic physicians, and allowed pressure upon them to send them in search of remedies which savour more of quackdom than of scientific medicine. In the endeavour to force the pace of recovery money has been spent like water, and sadly too much of it in non-productive directions. But there is the consolation that, as Professor Clay pointed out, this country has preserved a sense of responsibility towards the rest of the world and co-operated in every effort to restore the world to normal economic working. However, there is much to encourage the optimistic view that new industries and new fields of enterprise will in time end the period of post-war depression.

## Summer Outings

and sports meetings reported in your columns show the extent to which the holiday spirit prevails at the present time; and this contrasts oddly with the recent note by your Liverpool correspondent (*C. & D.*, June 28, p. 776), who remarks that "No holiday this year" is the decision of several local chemists. What is meant, presumably, is that the chemists in question do not propose to spend a holiday away from home; but I should hope that they are not so lacking in wisdom as to intend to have no vacation. Nowadays the term "holiday" has come to mean a period spent away from the home town, but I fancy the undue strenuousness in which some holiday-makers indulge has the effect of minimising the benefit they derive from the change. I find I can thoroughly enjoy a holiday which is simply a period of freedom from the usual daily round of duty, without incurring the expense of travelling a longer or shorter distance from home.

## Rough and Ready

as may be the method of adjustment decided upon by the Ministry of Health, in the proposals for making the doctor pay for what he prescribes against the rules (*C. & D.*, July 5, p. 17), the new arrangement may be expected to bring satisfaction to many panel chemists, particularly those who have suffered loss by disallowances in the past. But if it is still to be left for Insurance Committees to decide what is a drug or medicine, we shall continue to have the anomaly of different rules in this respect prevailing in different areas, possibly in adjoining areas. As a consequence, a practitioner on more than one panel may still be free to prescribe for his patients in one area remedies which are taboo in another area in which he is also interested. Such a state of affairs should not be allowed to exist; and it would not surprise me if, sooner or later, the law courts are called upon to decide whether or not the National Insurance Acts are being infringed by interference with the doctor's right to prescribe as he thinks fit. Meanwhile, we have these new regulations which, presumably, have the approval of those representing the doctors and chemists upon the Drug Advisory Committee. I note, by the way, that the London Pharmaceutical Committee is already questioning certain paragraphs in the draft regulations (p. 24), and even going to the length of suggesting that immediate amendment may be desirable.

## That "Herculean Medicine,"

as John Wesley called "the Bark," was as vehemently discredited by some physicians as it was praised and recommended by its sponsors when introduced into Europe. The most interesting article contributed by Mr. Holmes to your pages (*C. & D.*, June 28, p. 827) is something more than a history of an important drug; it sheds a strong light on the changes which took place during the seventeenth century in the practice of medicine and on the health, or ill health, of the people, and on the conditions under which they lived. As Mr. Holmes indicates, there was at that time the greatest need of some means to fight the intermittent fevers which were a continual scourge. The histories of medicine provide us with some notion of the prevalence of the so-called agues, and of the means taken to deal with them. A better estimate of the sufferings of the community, from this cause, may perhaps be obtained from such a book as "A Rich Storehouse or Treasure for the Diseased," of which there were eight editions between 1596 and 1650. It contains no less than forty-six recipes for the treatment of agues; twelve pages are occupied by these. As is usual in all such cases, in every department of human thought and activity, the forces of progress and reaction were soon violently opposed to each other upon the introduction of cinchona. At a very early stage in the conflict that "Prince of practical physicians," Thomas Sydenham, felt himself obliged to acknowledge the new drug to be a specific in the treatment of fevers.

## Of Those

who were opposed to the claims made on behalf of "the Bark," one of the best known was Hugh Chamberlen, one of the famous family of seventeenth-century surgeons and physicians who established a great reputation as men-midwives. This Hugh Chamberlen, sen., wrote a rather curious and rare little book for "the use of a son I have sent to the East Indies." It is called "Manuale Medicum, or a Small Treatise of the Art of PHYSICK in General and of VOMITS and the Jesuits' Powder in Particular, by Hugh Chamberlain, Physician in Ordinary to his late Majesty and Fellow of the Royal Society." He never took a medical degree, but like his father (who, by-the-by, was a physician) practised as a surgeon; he also unhesitatingly undertook medical treatment from which by statute he was debarred in the City of London. (I should point out that his residence was in Essex Street.) Consequently the College repeatedly summoned Chamberlen to give an account of his misdoings. The evidence showed him as a firm believer in the administration of purgatives and vomits. His little treatise was written to establish the value of this class of remedies and to support his practices. As "the Bark" was a styptic and astringent, it necessarily came under his condemnation. It is recorded that in the course of nine days he administered to a female patient "four vomits, four purges and caused her to be bled three times to the quantity of eight ounces each time." He was, perhaps, the most noteworthy member of the family, and his influence in the metropolis and in court circles was very great. He was in other matters far removed from being a typical reactionary: in fact, he was an innovator of an ardent complexion. The faculty had good reason, as they thought, for suppressing him. His father wanted to organise the midwives, and he himself, proposed the foundation of what he called a "New establishment of Physick" which for a "small annual assessment would serve all the Families, Rich and Poor, Little and Great, within the City and parts adjacent, much better and cheaper than at present, with Visits, Advice, Medicine and Surgery."





*John Bell, Hills & Lucas Ltd.*

REPUTED FOR  
COLLOIDAL SUNBURN LOTION

Send for Sample  
Oxford Works, Tower Bridge Road, London, S.E.1

**FENNINGS' 50 YEARS' REPUTATION**

**Children's Powders**

ADVERTISED EVERYWHERE. READY SALES.  
ALFRED FENNINGS, Cowes, I.W.

*Transparit*

**THE TRANSPARENT WRAPPING MATERIAL**

*Insoluble, Odourless, Non-injurious.  
Colourless and Coloured, in Sheets, Bags,  
Envelopes and Discs.* ASK FOR SAMPLE.

**SIER, VOSS & TOMES, 11b Upper Thames St.**  
Phone: Central 9677. LONDON, E.C.4.

**PATENTS AND TRADE MARKS.**

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

**REGINALD W. BARKER & CO.**

56 Ludgate Hill, London, E.C.4.

**WE INVITE ENQUIRIES**

**for Drugs, Galenicals, Dressings,  
Surgical Instruments, Scientific  
Chemicals and Apparatus**

**At Keen Competitive Prices**

**A Century's Reputation for Quality**

Deliveries and Empties Collection by our own motors  
over a wide area.

**REYNOLDS & BRANSON  
LIMITED**

**13 Briggate & 14 Commercial St., LEEDS**

**EXTRA  
RECTIFIED**

**ALCOHOL**  
FOR  
**PERFUMERY**

Write for Prices

**J. BURROUGH LTD.**

1 Cale Distillery,  
LAMBETH, S.E.11

## Editorial Articles

### The Draft Pharmacy and Poisons Bill

#### A Summary of the Position

THE publication of the Retail Pharmacists' Union's memorandum (*C. & D.*, June 7, pp. 700 *et seq.*) completes the pharmaceutical evidence which preceded the compilation of the report of the Departmental Committee with its draft Pharmacy and Poisons Bill. For the present we have left over the examination of the important pharmacy part. All the appointed exponents to represent pharmaceutical interests have not spoken with the same voice. That is a pity, and it appears the more so as in certain essentials pharmacy is divided in expression if in nothing else. Facts are better faced, and loose threads of thought must be knit together as firmly as the conditions will permit, or the fight on several fronts will be begun all over again and pharmacy may suffer disintegration. We have had various expositions of the draft Bill, and the Council of the Pharmaceutical Society, we understand, is to expound the mysteries of indefinite terminology at the British Pharmaceutical Conference at Cardiff. So far, so good, but where is it leading us? Looking back, we note that our first warning, on March 22, still stands. We said: "It should not have been difficult to suggest means for the removal of certain defects without proposing the introduction of new machinery designed to disturb the whole foundation of pharmacy." In spite of all that has been said or written, no satisfactory reason has been put forward by any apologist justifying uprooting rather than rationalising pharmacy and the poison laws. In that same issue we published the evidence of Sir William Glyn-Jones, which, in some respects, would have produced quite a revolution in pharmacy. His cogent exposition of poison law had a marked influence, causing the committee to burke obvious difficulties and suggest the creation of a Poisons Board with all its undefined sanctions dependent on a secretary of state. In successive issues we published a variety of opinions from men of affairs in pharmacy, which were in many instances remarkably helpful but alas, showed divergent views. We have now the memorandum of evidence of the Retail Pharmacists' Union, and its supplementary evidence, doubtless induced by the same request from the Committee which led astray the Pharmaceutical Society's Council; the contrast in response is interesting. The Council of the Society say: "If the Committee finally decide that this question of principle is of sufficient importance to necessitate an alteration in the present



system, the Council suggest . . . ." The Union also suggest, but with a difference:—

#### The Society

" This could be done by the creation of a Poisons Board constituted under Statute and acting under a department of state, to which Board should be transferred the powers at present possessed by the Society's Council to propose amendments to the Schedule and make regulations."

#### The Union

" The Executive of the Union is satisfied that the reconstitution of the Pharmaceutical Council in this manner [by dilution] would be an advantage from every point of view. . . .

" That its revised constitution would remove any objections which might be entertained from the public point of view regarding the exercising of these functions, and that it would be a suitable body for drafting regulations under the Dangerous Drugs Act so far as dispensing of those drugs is concerned.

" That the Council . . . should make draft regulations for submission to a department of state, which department would be responsible for making the necessary statutory rules and orders."

Mr. Young accepted the principle of an *ad hoc* Poisons Board; Mr. Neathercoat accepted the same in accordance with the suggestions of the Society; but what is the reaction between Mr. Young and the Retail Pharmacists' Union, with its modification of the Glyn-Jones evidence? One regrettable thing is that the Departmental Committee apparently imposed secrecy, and there is, throughout, a lack of co-ordination between the specific authorities in Pharmacy and their representatives. Much might have been avoided if confidential interchange of discussion and opinion had taken place. As it is, a Poisons Board is now the only likely result of any change which may arise; and what is material is its constitution and its relation to the Council of the Society on the one hand and the Secretary of State on the other for the purposes of safeguarding the interests of the community. The apologists for the Committee interpret its intention, as expressed in the report, as being that listed sellers of poisons would have practically what is contained in the present Schedules under Sections 2 and 5 of the Poisons and Pharmacy Act, 1908. There is no guarantee that any Poisons Board would so confine itself. We may bear in mind that all vendors of poisons would be subject to rules, regulations and inspection; and what could reasonably be expected from any Poisons Board which started from the conception that protection of the public was served by rules and regulations rather than by specific educational training? Should we accept the idea that only Section 2 and Section 5 poisons and poisonous substances are to be controlled through listed persons? If so, it is unnecessary to worry about the constitution of a Poisons Board as long as pharmacy is strongly represented. No Bill, however, can be accepted by pharmacists which does not make this point quite clear. The views of the protagonists for the Bill make us

wonder what was the object of Mr. Young's reservation, as it should be clearly impossible to do more about Sections 2 and 5 under the 1908 Act than to tighten control, which the draft Bill would undoubtedly do. Closer analysis of these sections tends to minimise the reservations which were made, mostly on account of the nebulous character of the Poisons Board and what it implies in co-ordination with the all-powerful authority of the Secretary of State. Some interchange with the Pharmaceutical Society's Council should be provided for. It is gravely illogical that the technical authority on poisons should administer the rules and regulations of a Poisons Board unless it has direct co-operation. It would be in the interests of all parties to accord recognition under statutory authority; can anyone conceive any other professional body being superseded on no satisfactory pretext without more adequate safeguards? It is not so much the number of members on a Poisons Board which need disturb us as its direct relation to its administrative section, the Council. Another disturbing factor which needs closer consideration is, "What is a poison?" At present we have a working definition which has served quite well, "De minimis non curat lex" has been useful in difficulties, but the omnibus clause brings numberless preparations within the Poisons Schedules which no extended list by a Poisons Board is likely to include. A general list is one thing, a particular list is another; and pharmacists have to deal with the toughest proposal of the whole suggested change in this issue. Provision for dispensing medical prescriptions can be made in general terms. Provision can be made for vending poisons as such or suitably diluted; but will a Poisons Board regard a cough mixture with a small amount of paregoric as a poison within their conception of what a poison is? The powers of the Secretary of State should be better defined. It is not suggested that he would override the Act if the draft Bill ever becomes one, but it is not satisfactory to give him such material power without better safeguards. Finally, there are institutions and thousands of doctors' surgeries where poisons are handled and dispensed which could be brought within the purview of an Act by administrative process under this draft Bill, but probably without any true inspection. This is not logical; what may be regarded as necessary for "selling" is equally justifiable for "dispensing" in all places, whether institutions, surgeries, or departments of wholesale houses where prescriptions containing poisons are dispensed. A proper and systematic unification should be made in any amendment or (as we would prefer) the re-drafting of the poisons part of this draft Bill so far as is necessary to cover the points to which we have called attention. To summarise: The issues which need more clearly defining are:—

- (a) The scope for vending poisons by listed persons.
- (b) The duties of the Poisons Board and co-ordination with the administration by the Pharmaceutical Society's Council.
- (c) To bring listed vendors of poisons under the administration of authorised "sellers of poisons."
- (d) Redrafting of clauses dealing with Part I poisons in addition to clearer demarcation of Part II poisons.
- (e) The power of the Secretary of State in dealing with exemptions from Part I of the Poisons List and a general construction of rules and regulations.



(f) The inspection of places of whatever nature where poisons are dispensed should be under the same authority as sales.

(g) The same rules in dealing with poisons, so far as practicable, which apply in shops, should apply in all places where such poisons are dispensed or administered.

What the Pharmaceutical Society is going to put forward at Cardiff we do not know; but we are certain that no good can arise from anything but discussion of definite proposals, honestly believed in and not tentatively held. We suggest that the Cardiff Conference should be regarded as a preliminary to a fuller conference on a new or reconstructed Bill to which diverse minds can turn without waste of time. Not only at the Conference, but in every branch of the Society there should be a suitable meeting at which an official exponent of the reconstructed Bill should be present and express ideas in a manner likely to be understood by his hearers.

### Depression in Shellac

IN conjunction with many other commodities, shellac, which was particularly influenced by adverse speculative considerations lately, has suffered severely from the world trade depression. Fears of reduced requirements in the chief consuming branches over a certain period, at least until towards the autumn, have impelled American importers to refrain as long as possible from the placing of new contracts for direct shipment from Calcutta. This policy does not appear to have been as yet much modified, in spite of the good rally noted last week from the lowest of the depression, as there is still some little doubt whether the market has actually touched bottom. The larger American consumers have been buying from hand to mouth for some time past, as was to be expected in a sharply falling market, and reserve stocks in dealers' hands are doubtless low. The fact is thus not surprising that the proportion of the total Calcutta shipments to the United States for the first half of June was more liberal than before, thus at least indicating the need for a certain replenishment of spot supplies. This year's American imports will probably remain well under those for last year, which were abnormally heavy, although it is not improbable that American trade conditions will experience some recovery from the autumn onwards. On this side there was a further heavy accumulation of stocks this year to the end of April, to as much as 36,013 cases, despite appreciably reduced landings by several thousand cases, which thus made the deterioration in the statistical position the more conspicuous under the shrinkage in the trade takings. During the last two months, however, there has been a considerable falling off in the quantities landed, down to 5,185 cases for May and to only 3,418 cases for June, so that, notwithstanding the further reduced deliveries for June at only 3,818 cases, the stocks have contracted to 35,049 cases, being thus about 1,000 cases less than two months ago. Since the position was dealt with in our columns of February 22 last (pp. 225-26), depressing speculative operations played an important part in the downward movement both in Calcutta and in London. Stale bull commitments have had to be repeatedly sacrificed on persistent declines down to as low as 93s. per cwt. for August delivery, but bear operators became rather nervous at the lower levels, while holders on the spot were reluctant sellers, and quickly raised their terms from about 110s. to 117s. 6d., when attempts were made to cover short contracts, which caused the price for August to jump to 103s. The spot value of 110s. for TN Orange recorded above was 2s. 6d. per cwt.

below the extreme lowest figure touched in 1926. Consumers are still showing hesitation about covering themselves, but there seems to be a little more confidence in the market, with a steadier feeling at the primary source, where a premium has been established in forward positions. Given evidence of more effective resistance at around the current level of values, there is little doubt that deliveries into consumption will regain more normal dimensions. The technical position is probably stronger, and statistical indications here appear to favour a further improvement on account of the more restricted arrivals. The tabulated figures given below show the monthly averages of landings and deliveries for a number of years, together with returns of stocks, from which it will be seen that there has been a material reduction in the absorption of supplies so far this year in this market:—

London (cases)	Monthly averages		Stocks at end of period
	Landings	Deliveries	
1925 .. .. .	4,918	4,851	10,847
1926 .. .. .	5,515	5,078	15,894
1927 .. .. .	6,811	6,833	15,371
1928 .. .. .	7,463	7,122	19,469
1929 .. .. .	6,739	6,383	25,804
1930 (January-June)	7,178	5,639	35,049

The average of deliveries for the first half of this year at 5,639 cases is comparatively low compared with that for the whole of the three previous years, but the average for the whole of this year will doubtless make a better showing, given more settled conditions and some recovery in those manufacturing branches, such as paints and varnishes, which have been handicapped by the general trade depression. The average of the landings this year is relatively high, but somewhat confusing, as the actual arrivals for the six months at 43,071 cases are well over 5,000 cases short of the figures for the same period last year. Shellac being now considered cheap, its consumption will doubtless be eventually stimulated, although the fact remains that present stocks here at about 35,000 cases would represent well over five months' normal requirements. Some allowance, however, might be made for the stocks held by consumers having been abnormally reduced under unsettled conditions.

## Westminster Wisdom

### Notes on Parliamentary Matters.

#### MEDICAL ACT, 1858

Mr. Freeman asked the Minister of Health, on July 3, whether it is his intention to introduce legislation to amend the Medical Act, 1858, so as to procure recognition and independent regulation of osteopathy, and give its properly qualified practitioners a legal status equivalent to that enjoyed by other recognised professions.

Mr. Greenwood: The answer is in the negative.

#### DIVIDENDS ON INSURANCE PRESCRIPTIONS

Mr. Albery asked the Minister of Health on June 26 whether he proposes to change the regulation prohibiting the payment of co-operative dividends on National Health Insurance prescriptions, and a similar question was put by Sir Kingsley Wood, who also asked the Minister whether he had received a copy of the resolution passed by the recent Co-operative Congress.

Mr. Greenwood: I have not received any resolution from the recent Co-operative Congress on this subject, but I am aware of the discussion which took place; and the matter is continuing to engage my attention.



# Extract of Malt

By C. Edward Sage, F.I.C.

THE fixing of a standard by which the quality of extract of malt could be judged when used for medicinal purposes seems to be a necessity. The problem for the compilers of the British Pharmacopœia is one which presents many difficulties, for extract of malt is put to many uses besides medicinal ones, and once the Pharmacopœia adopts a standard there will be need to admit the difference between a medicinal malt extract and one for technical purposes, in the same way it is necessary to differentiate between borax for medicine and for laundry work, or soft paraffin for ointments and for lubrication. The British Pharmaceutical Codex contains the following statement:—

The medicinal value of malt extract depends upon the proportion of total soluble nutritive carbohydrates it contains and upon its diastatic action, the latter enabling it to convert the starchy constituents of food into soluble carbohydrates, chiefly maltose. But the diastase becomes inactive in an acid medium such as obtains in the stomach during digestion.

Although the Codex gives directions for testing the value in terms representing the richness, or otherwise, in diastase, it does not specify which strength is most suitable for medicinal purposes, but it makes the definite statement:—"Malt extract consists chiefly of maltose (50 per cent. or more) and dextrin, with some dextrose, and should also contain a fair proportion of diastase."

The United States Pharmacopœia also makes a definite statement as follows:—

Extract of malt is capable of converting not less than five times its weight of starch into water-soluble sugars,

and gives a process of assay by means of which the diastatic power may be estimated. It is an arbitrary process, but it is sufficiently definite to ensure that the extract of malt contains a reasonable amount of diastase.

## DIFFICULTY IN SELECTING A STANDARD

The adoption of any standard for either diastase or total sugars would lead to much controversy whereby the value of the product can be assessed. There are many methods of preparing the extract, and a competent manufacturer can produce an extract rich in diastase if he is prepared to sacrifice some of the sugars, and on the other hand he can extract every vestige of the sugars, but in the process of condensation of his liquors he may spoil the flavour or the keeping qualities of his product. If, however, a definite specification of diastatic power is stipulated and considered to be the chief consideration, there are methods by which this can be attained without the resulting product being a first-class malt extract for medicinal purposes; likewise, if percentages of sugars is the chief consideration, these may be obtained from other sources than malt, and added to the extract in order to produce whatever sugar content may be desired. The United States Pharmacopœia authorities have added 10 per cent. by weight of glycerin, presumably to improve the keeping qualities of the product; but it is questionable whether the advantages so obtained are worth the expense.

## EXISTING STANDARDS

The Codex method of testing and the term "diastatic power" gives figures representing the weight of starch converted by 100 parts of extract of malt, so that on similar terms the U.S.P. standard would approximate to a 500 diastatic power. Or figures for diastatic power divided by 100 would give the weight of starch digested by 1 part of extract, near enough for purposes of comparison. The recent examination of a number of samples yielded results recorded below,

which suggest that where malt extract is mixed with cod-liver oil the manufacturers do not always consider the diastase of chief importance; and if such preparations are satisfactory for administration to children, it would seem correct to assume that the cod-liver oil and the carbohydrates are the factors of chief medical significance, and that the "fair proportion of diastase" specified in the Codex is something considerably lower than the standard adopted by the United States Pharmacopœia. For purposes of comparison the figures for four samples of plain malt extract are included with those of the samples of malt and oil. All the latter samples contained approximately 15 per cent. by volume of cod-liver oil, and each one was a satisfactory product if judged by the standards of taste and condition which are usually acceptable. The samples containing a low percentage of sugar were thin by comparison with the others, but there was no other reason for considering them unsatisfactory; and unless some evidence of clinical importance is forthcoming to prove otherwise, it would seem that such products fulfil the requirements of physicians who order them for so many patients.

Sample	Lintner value	Total sugars as maltose
Extract of Malt	54	69
" " "	170	62
" " "	6	49
Malt and oil "	17	51
" " "	2	42
" " "	6	54
" " "	3	52
" " "	5	45
" " "	1.5	54
" " "	2.8	52
" " "	19.0	54
" " "	6.0	45
" " "	15.0	52

The adoption of any standard by the compilers of the next edition of the British Pharmacopœia must be covered by the grade designations issued recently by the Ministry of Agriculture and Fisheries, for in the Statutory Rules and Orders, 1929, No. 1115, Schedule II gives the grade designation for "All English (Pharmaceutical) Malt Extract," and it is difficult to suggest how the General Medical Council and the Pharmacopœia Commission could adopt any other standard than the one prescribed by the Ministry of Agriculture for "malt extract produced from barley grown in England and Wales," unless they suggested different standards for Colonial-grown or foreign barleys. The Schedule prescribes the following specification for Pharmaceutical Malt Extract:—

Diastatic activity	
(Lintner value) ...	Not less than 25
Soluble protein content	Not less than 5 per cent.
Specific gravity ...	Not less than 1.4

The extract shall be the entire and pure product of commercially sound, clean, malted grain, and shall otherwise comply with the requirements of the Food and Drugs (Adulteration) Act, 1928.

It is over forty years since extract of malt and malt and cod-liver oil became prominent medicinal and dietetic products in pharmacy, yet the problem of their valuation is by no means settled by the issue of the Statutory Orders, and any pharmacopœial specification for inclusion in a new issue of the standard official book of reference will need the closest consideration; for Lintner values and diastatic activity mean little to the medical profession, but everything to the maltster, and it is the latter who will have to furnish supplies. It is quite possible that an "All England and Wales" barley might be improved with a dash of Scotch or Irish; certainly some foreign barleys might help to make a better blend for producing pharmaceutical extracts.



## New Zealand Markets

**T**HERE seems no better time than the present (says our New Zealand correspondent) for a retail pharmacist of New Zealand to make a few observations on the business conditions of his country. In view of the recent articles in the *C. & D.* touching on the New Zealand market for toilet goods, and that excellent contribution on "Empire Pharmacy," from the pen of Mr. W. H. Saunders, of Liverpool, I hope they will be welcome.

Although figures show a definite increase in the use of toilet goods these should not be interpreted too liberally. In other words, manufacturers must not assume that we have a market here clamouring for their goods. At the present time those who consume the greater proportion of the toilet requirements have reached, and in some cases over-reached the limit of their spending capacity, and consequently the markets are, so far as quantity and variety are concerned, more or less at saturation point. For some considerable time past New Zealand has had unemployment along with its depression problems to contend with, and the business lag has really just made itself felt.

### STORE CUT PRICES

Cut rate and department stores have played temporary havoc with the turnover of pharmacies. Of course, even in the past we have had a certain amount of this competition, but it has usually fizzled out or been forced to raise prices. At present there is every indication of a similar movement taking place among some of the cut rate stores in the larger towns. While they exist, the pharmacist suffers to a certain extent, but it is when they go out of business that the manufacturers pay the penalty, for lines that have once been made a chopping block are none too popular later, even on any terms. Paradoxical as it may appear, this depression with all its causes and cut-throat competition has been a blessing in disguise for the pharmacist. From more or less apparent security—lethargy even—he has emerged, and is fighting not only hard, but also scientifically, for his very business life, and, what is more, he is gaining ground. He realises that this is the era which will decide whether the future is to see business conducted by a few large stores, or by a large number of small shops run, not as at present, but along strictly business-like efficient lines. It has had the effect of making the retail chemist concentrate on his own lines, and those reserved for the sale by "chemists only." Gone are the days when chemists introduced and fostered new lines, only to see them gradually find their way into the hands of other traders and cut rate stores.

### PHARMACISTS CO-OPERATING

Divisions and trade associations are quietly, continually and effectively working together, and the individual is rapidly appreciating the value of unity and co-operation. If pharmacists continue to carry on this revival as they have started (and there is every reason to believe that their efforts will increase) the chain store will have a leaner time. For one thing, we have not the population (and what there is, is more or less scattered) to support them, and for another thing transport facilities are not the kind conducive to their welfare. All this is by way of information to prospective traders. As Mr. Saunders in his "Empire Pharmacy" has given you to understand, British manufacturers have a very decided advantage over their foreign competitors. Even in the business world, New Zealanders have a most kindly regard for British goods—to the staunchest colonial, Britain is always "Home," and it is Britain they all hope to visit as soon as "financial fortune" is kind enough to permit them. Unfortunately, chiefly owing to the attractive prices, foreign goods have made rather rapid strides of late. Retailers have been forced to stock certain lines, not perhaps to the total exclusion of similar British goods, but certainly to their

curtailment. In industry one sees the remarkable effects from the application of the Taylor system of management. The time is ripe for the adoption of corresponding rules to problems of distribution and its attendant questions.

### BRITAIN MUST STUDY THE MARKET

First and foremost, it is absolutely necessary to know the market, the local conditions, and the demand. The time when the consumer's likes and dislikes were ignored has long passed. Competition is keen, and if one will not supply what is wanted someone else very soon will. These remarks seem elementary, yet it is remarkable how these self-same principles have been violated in the past. The only way to really know and understand the requirements and possibilities of any market is to personally inspect it. Mr. Saunders will, I feel certain, support that statement. It is visits such as his that definitely foster relations between the Empire outposts and the mother-country. A manufacturer entering the New Zealand field must decide, apart from costs, prices and discounts, whether he is in the position and willing to see that prices of his goods are maintained. As I read the advertisements in the *C. & D.* I often wonder whether the home makers know just what is the fate of their goods. We receive beautiful advertising matter, which, in the aggregate, must cost hundreds of thousands of pounds, and much of it goes straight into the waste paper basket simply because no man can afford to retail these goods at practically invoice cost. Secondly, he must consider whether he prefers a large number of small, loyal customers, and a gradual permanent increase in solid business, or the alternative, large orders from a few cut-rate stores. Of course, if he chooses the latter his distribution charges will be lower, but he may have difficulty in placing his New Zealand quota should one or two of these large firms curtail operations, or, what is more likely, suddenly switch on to a similar line showing a fraction more profit.

Thirdly, whether or not the present requirements are sufficiently catered for. In some directions the variety offered is unduly large and the introduction of competing lines can do little to affect consumption. A transference of desires, showing no actual increase in the ultimate returns, is the most one can expect.

Just a brief word on advertising. It may be the kind that forces the retailer to stock the goods. Well, it is doubtful if this is a wise policy. In such cases the assistance and co-operation of the retailer is entirely absent; in fact, in some cases there may even be a definite reaction against the goods. The other method of advertising is to sell the "idea" first to the retailer, assist him more or less personally, and then adjust the policy accordingly. While it may take longer to achieve results this way, those that do come will be permanent and the final cost per sale will be low.

Concluding, let me make it quite clear that pharmacists do not demand exorbitant profits. Rather they seek to co-operate with the manufacturer for mutual benefit: the retailer for protection against wholesale cutting and its unsettling influences and the manufacturer in an effort to permanently increase his sales and goodwill. At the present time too many agents in New Zealand are seeking high figures only, to the loss of goodwill towards the goods—rather a high price to pay. I trust that my remarks will not be interpreted as unduly dictatorial. Rather do I write in an advisory and cautious strain. With the possibility of New Zealand markets being sought by British traders one cannot stand silently by and see money uneconomically expended in vain attempts to capture trade which, perhaps, does not exist. Overlapping means waste, and waste leads to bankruptcy. Efficiency must be the watchword throughout our great commercial and industrial Empire. New Zealand is a young country kindly disposed to British goods. Study her requirements carefully, start right, and then keep it going.



## Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

### 28 Essex Street, W.C.2, July 10

DEEP interest has been aroused in City circles by the Bankers' Manifesto in favour of Inter-Imperial Trade. This Manifesto (see p. 31) dealing with the economic situation is regarded as an highly important and authoritative declaration relating to the increasing difficulties experienced in carrying on the country's many industries for several years past, chiefly through the lack of a discriminating protection against free imports of foreign goods. Trade is getting worse, and the position of unemployment is giving rise to the gravest anxiety in the light of a further large increase in the latest weekly returns. In Mincing Lane there has been no important feature in the leading commodities, sugar being still very dull, although it is understood that another large quantity of Cuban was sold to Russia. Rubber again improved on the further news as to the efforts made by the Anglo-Dutch liaison to establish an effectual restriction scheme, but the market subsequently relapsed and the stocks increased again. Among drugs cod-liver oil is rather lower with more demand for forward delivery. Kordofan acacia is easier to arrive; fine and medium grades of tragacanth are dearer owing to scarcity. Valerian is cheaper. Among the pharmaceutical chemicals depression continues; a further decline has taken place in cream of tartar and benzoic acid; thymol is unsettled and German milk-sugar is lower. Aspirin meets with a limited demand, while the sale of citric acid has improved during the spell of hot weather. In the industrial chemicals group, business continues on a very limited scale, with several reductions in value, comprising potassium and sodium bichromates; chlorates are weak, sodium being easier. Among the aromatic seeds Mazagan and Morocco canary are cheaper, and Dutch caraway on the spot is lower. Among spices, ginger is easier, likewise pepper; cloves and pimento are quiet. In the vegetable oils group coconut and cotton oils show a slight improvement in value, while linseed and American turpentine are cheaper; groundnut is steadier; palm kernel, palm, rape and soya oils are slightly easier.

Higher	Firmer	Easier	Lower
Camphor, ref. (Jp., ½ oz.)	Anise, star, oil	Benzoic acid Betanaphthol Cadmium Ginger Gum acacia (c.i.f.)	Apiol Canary seed Caraway seed (spot) Chrysarobin Cod-liver oil Cream of tartar Emetine and salts
Tragacanth (fine and medium)	Steadier	Menthol Palm kernel oil Palm oil Peppermint oil (Jp.)	Linseed oil Milk sugar Pepper Pilocarpine Resin (Amer.) Rubber Thymol Valerian
	Antimony (Ch. ref.) Carbolic acid (crystals) Citric acid Coconut oil Ground nut oil	Rape oil Shellac Sodium chlorate Soya oil Turpentine	

### Crude Drugs, etc.

AGAR-AGAR.—Kobe No. 1 is slightly easier at 3s. 8d. per lb. c.i.f., and 4s. spot. Yokohama No. 1 spot is 3s. 9d. to 3s. 10d.

ANTIMONY.—There is continued limited demand for Chinese refined, but the undertone is perhaps a shade steadier, sellers on the spot asking £26 to £26 10s. delivered warehouse. Terms for shipment remained at £22 10s. c.i.f. Chinese crude on the spot remains nominal at about £21 10s. Quotations for English regulus stand as before at £46 to £46 10s. for high-grade, while common brands are

obtainable down to £48. Chinese white oxide on the spot is worth about £31.

CAMPHOR (REFINED).—Japanese slabs are quoted at 2s. 4½d. per lb. and flowers at 2s. 5½d. Up to 3s. per lb. has been paid for ¼-oz. tablets on the spot. Stocks are scarce, and will be for three or four weeks.

CASCARA SAGRADA.—For shipment from the Pacific Coast new peel is offered at 42s. c.i.f. On the spot, two-year-old is offered at 65s., and three-year-old at 67s. 6d. per cwt.

CHAMOMILES are in slightly better demand at the lower range of prices, with very fair white Belgian offering at 212s. 6d. per cwt. on the spot.

CLOVES are steadier, with spot sales of Zanzibar at 1s. per lb.; to arrive, June-July is quoted at 11½d. c.i.f., and August-October at 11½d. c.i.f.

The landings in London of Zanzibar during the week ended July 5 were 30 and the deliveries 388, leaving a stock of 1,018, against 1,528 in 1929 and 9,209 bales in 1928. The landings in London from January 1 to June 5 have been 5,903, against 4,424 in 1929, and the deliveries 4,882, against 5,283 in 1929. Landings of Madagascar in London during the week ended July 5 were 250 and the deliveries 81, leaving a stock of 3,346, against 497 in 1929. From January 1 to July 5 landings have been 4,824, against 848 in 1929, and the deliveries 1,491, against 2,896 in 1929.

COD-LIVER OIL is offered at the cheaper rates of from about 100s. to 102s. 6d. per barrel c.i.f. for finest new (1930) non-freezing steam-refined oil. At the lower prices rather more demand is reported, consumers purchasing part of their autumn requirements.

GALLS.—Chinese plum-shaped are offered at 70s. per cwt. c.i.f. for August-September shipment, and ordinary at 66s. 6d. c.i.f. Persian blue are 66s., green 57s. 6d., and white 52s. 6d. on the spot.

GINGER.—West African is offered at 40s. per cwt. on the spot, and to arrive 38s. c.i.f. is quoted.

GUM ACACIA is again easier for shipment, July-August having been sold at 62s. per cwt. c.i.f. for Kordofan cleaned sorts. A rather better spot demand is reported with from 72s. 6d. to 75s. per cwt. paid for cleaned sorts. Talha is only in slight demand, offering at 40s. on the spot, and at 30s. c.i.f.

The London stock of all descriptions on June 30 was 5,199 packages, against 3,395 in 1929 and 7,283 in 1928. Landings to date (June 30) were 12,796, and the deliveries to date 9,482 packages.

IRECAQUANHA is without interest, Matto Grosso offering at from 10s. to 10s. 3d. per lb.

KINO.—Bright ruby East Indian is scarce on the spot, and has realised 1s. 6d. to 1s. 7d. per lb.

MENTHOL is slightly easier, Kobayashi-Suzuki offering at from 14s. 4½d. to 14s. 6d. per lb. on the spot, and at from 13s. 9d. to 14s. per lb. c.i.f.

MERCURY.—There is little alteration except that rather more demand has again been coming forward and a fair number of orders have been secured for controlled metal on the spot. Terms have been revised slightly, being officially called £22 to £22 2s. 6d. net, according to quantity. The c.i.f. quotation for shipment stands at £21 15s. net for not less than 25 bottles. The American price, delivered duty paid in New York, is about \$120 per bottle. It was reported that an American order for 500 bottles has been arranged on this side, but this has been contradicted. The U.S.A. output for last year was 23,682 bottles of 76 lb. each, this comparing with 17,870 bottles for the year 1928.

OPTUM.—According to the monthly trade journal of the British Chamber of Commerce in Turkey, "Sales for the month of May in Constantinople amounted to 70 cases, druggists' old crop selling at about 17 to 18, with better qualities at 20 liras per oke. Malatias were sold at 26 and 27 liras. Lower prices are certain to obtain next month when new crop is marketed; it is estimated that, given favourable weather conditions during the collecting period, the crop should yield around 8,000 cases."

PEPPER is lower at 9½d. per lb. on the spot for fair black Singapore and at 6½d. c.i.f. for August-September shipment. Lampong is 9½d. spot. To arrive, the sales include May-July shipment at 8½d. to 8½d. c.i.f.; August-October at 7½d. to 6½d. c.i.f. Tellicherry is 10d. spot and Alleppey 9½d. spot. White Muntok is easier at 11d. spot, and sales having been made at 11½d. To arrive, the sales include May-July shipment at 10½d. to 8½d., July-August at 9½d. August-October at 9½d. to 9½d. c.i.f.

PIMENTO is quiet at 7½d. per lb. spot, with July-August shipment at 67s. 6d. c.i.f., and sellers of August-October at 60s. c.i.f.

RUBBER has again fallen and is about ¼d. per lb. lower on the week. In spite of the fact that more interest was being



shown by manufacturers, as was proved by the heavy purchases made for 1931 delivery rubber, the market has failed to sustain its previous improvement. The market movements during the past week have been mainly influenced by optimism and pessimism in turn as to the possible outcome of the conferences between the leading producers both here and on the Continent. Arrivals last week totalled 1,846 tons, whilst deliveries were 1,485 tons, showing a further increase of 361 tons in the stocks. The London stock now stands at 80,060 tons, against 30,004 tons at the corresponding period last year. The Liverpool stock now stands at 23,143 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and July, 5½d.; August, 6d.; September, 6½d.; October-December, 6¾d.; January-March, 6½d. per lb.

SEEDS.—ANISE.—Spanish is 57s. 6d. and Russian 31s. per cwt. on the spot. CANARY.—Mazagan on spot is now 26s. 6d. and for July-August shipment 25s. 6d. c.i.f. is quoted. Morocco is lower at 24s. 6d., and for shipment 22s. 6d. c.i.f. is asked. CUMIN.—Malta is 70s. for sifted, and f.a.q. 65s. Morocco remains at 55s. spot. FENUGREEK on spot is 18s. 6d., and for July-August shipment 15s. c.i.f. is quoted. CORIANDER.—Business has been done at 7s. per cwt. spot for ten to twenty-ton lots. CARAWAY.—Dutch on the spot is lower, sellers now offering at 32s. 6d. DILL.—Indian 11 per cent. remains at 21s. 6d. per cwt. on the spot. MUSTARD.—English is 26s. to 32s. per cwt., according to quality.

SENEGA.—New crop is quoted at 2s. per lb. c.i.f., and the spot price is a matter of negotiation.

SHELLAC is dull and lower at 112s. 6d. per cwt. for usual standard TN orange; fine orange is 125s. to 210s.; pure button 137s. 6d., and AC cakey 120s. To arrive, sales of June-July shipment have been made at 91s., July-August at 91s. to 92s., and September-October at 101s. c.i.f., to 95s. to 98s. Sales for delivery include August at 103s. to 101s., October at 104s., with closing sellers at 101s. 6d., and December 107s. to 102s. to 104s.

TRAGACANTH.—During the past fortnight there has been a steady demand for gum between £20 and £30 per cwt., and the stocks of these grades are extremely small. It would appear that consumers will have to be satisfied with small arrivals during the next few months, as the crop of this class of gum has already been absorbed. There is a small lot of extra fine white firsts offering at £35. No. 1 fine ribbon is £29 to £30; seconds, £24 to £27 10s.; thirds, £20 to £23; fourths, £16 to £19; fifths, £12 to £15; good white Persian thick leaf, £9 to £11; ordinary to fair yellow, £6 to £7 10s.; reddish, £4 to £5; hoggy sorts, 60s. to 75s. per cwt.

The London stock on June 30 was 13,058, against 11,868 in 1929 and 7,010 in 1928. The landings to date (June 30) were 7,062, and the deliveries to date 4,761 packages.

VALERIAN is lower, new crop offering at 37s. 6d. per cwt., and on the spot last year's root can be had at 45s.

### Essential Oils

BUSINESS remains dull with inquiries but few orders. Prices do not show any severe decline, and appear to have touched bottom, though shading would be done to catch business in many articles. Star anise is better. Sicilian citrus oils still show wide variation in price. Geranium oils are firm, with short spot supplies, and c.i.f. offers do not appear definite. French lavender is cheap, and new crop prospects are good. American peppermint and spearmint show weakness.

ANISE (STAR) is the turn better, "Red Ship" offering in leads at 5s. 3d. and tins at 5s. per lb. on the spot. For July-August shipment leads are quoted at 3s. 1d., tins at 3s., and drums at 2s. 11d. per lb. c.i.f.

BERGAMOT is slightly easier at from 10s. to 11s. 3d. per lb. spot and 9s. 3d. c.i.f., according to seller. There are, however, sellers at below these prices.

CASSIA is unchanged at 3s. 9d. per lb. on the spot for 80 to 85 per cent. c.a., and for shipment 3s. 3d. c.i.f. is quoted.

CITRONELLA.—Java is quoted at 2s. 5d. per lb. spot and 2s. 4d. c.i.f. Ceylon is unchanged at 2s. 3d. per lb. spot, and to arrive 1s. 9½d. c.i.f.

GERANIUM.—Spot stocks of Bourbon are restricted, and 17s. per lb. is asked. On c.i.f. terms there seems to be a reluctance on the part of producers and shippers to accept cabled bids; 16s. 3d. per lb. c.i.f. has been quoted. Algerian is unchanged but scarce at from 16s. to 16s. 6d. spot, and from 14s. 6d. to 15s. 9d. c.i.f. to arrive, but forward offers seem here to be indefinite.

GINGERGRASS is unchanged at 7s. 6d. per lb. spot, and to arrive 7s. c.i.f.

LAVENDER.—French 38-40 per cent. is quoted at from 10s. to 10s. 6d. per lb. spot.

As far as can be ascertained the next crop of French lavender in September promises to be favourable. There has been an abundance of rain conducive to the development of the lavender plants. Should hot weather now set in to encourage good flowering and weather conditions in general remain favourable for the distillation a plentiful crop might be expected. It is estimated that there are about 15 tons of oil in the hands of distillers. It is reported that large buying has taken place through some Grasse house wishing to take advantage of the present low prices, thus causing a firmer tone in the market. If these low prices still prevail when distillation begins it is probable that some producers will not distil this year owing to the remuneration being insufficient to cover the high cost of gathering the flowers, which has considerably increased during the last few years. This would probably cause higher prices at the end of the distillation.

LEMON.—Hand-pressed is quoted at from 4s. 6d. to 4s. 9d. per lb. spot, and to arrive at about 4s. 2d. c.i.f. Machine-made is 4s. 4½d. spot, and 4s. c.i.f. Some sellers would shade these prices, however.

LEMONGRASS is quoted at 2s. 6d. c.i.f., and 2s. 8d. per lb. spot.

ORANGE.—Sicilian sweet is 9s. 6d. per lb. spot and 9s. 4½d. c.i.f. Bitter is 8s. 10½d. spot and 8s. 9d. c.i.f.

PEPPERMINT.—Japanese dementholised is easier, Kobayashi-Suzuki offering at 4s. 9d. per lb. and five brands at 4s. 8d. on the spot. For shipment July-August there are sellers at 4s. 9d., and for October-December 4s. 10d. is quoted for K/S. A number of "bear" offers for shipment early in 1931 were current this week, but subsequently withdrawn. American natural tin oil is weak at from 12s. per lb. spot to 12s. 7d. according to brand, and to arrive 11s. 9d. to 12s. c.i.f. is quoted.

ROSE.—The French rose crop has terminated under satisfactory conditions, with the price of flowers fixed at 350 fr. per kilo. Oil of rose de Grasse is quoted on the spot at 90s. per oz.

SPEARMINT.—Prices at source show a tendency to ease with lack of demand and new crop prospects. On the spot, 19s. 3d. to 19s. 9d. is quoted according to seller.

WORMSEED (CHENOPODIUM) is unchanged at from 11s. 6d. to 12s. per lb. spot.

The following arrivals have taken place from the countries indicated during the period July 2 to July 8 (inclusive): Almond (Neth.) 1 cs.; anise (Ger.) 2 pkg., (Fr.) 16 cs.; (Fr. Ind.-Ch.) 10 cs.; bergamot (It.) 156 cs., (U.S.) 2 cs.; cajuput (Neth.) 1 dm.; cananga (Java) 4 dm.; cassia (H.-K.) 40 cs.; citronella (Java) 8 dm.; clove (Ger.) 6 cs., (Mad.) 1 dm.; cubeb (Ger.) 1 cs.; lavender (Fr.) 5 cs., (It.) 4 cs.; lemon (It.) 135 cs., (Fr.) 2 cs.; lemongrass (Br. Ind.) 4 dm.; orange (It.) 2 cs., (Sp.) 2 dm.; patchouli (Sey.) 1 dm.; peppermint (Jap.) 30 cs.; rose (Fr.) 3 cs.; rosemary (Sp.) 1 dm.; sandalwood (Aust.) 66 cs.; sassafras (U.S.) 2 cs.; thyme (Egy.) 2 cs.; ylang-ylang (Fr.) 2 cs.; undescribed (It.) 15 cs.

### Pharmaceutical Chemicals, etc.

GENERAL depression in these markets continues to be reported. Values show further declines in the cases of cream of tartar and benzoic acid, while thymol is unsettled. German milk-sugar is lower, makers actively competing. Convention values of chemicals are holding on quotation, but are being widely discounted for sales.

ACETANILIDE is unchanged on a slow market: B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb. as to quantity.

APIOL is cheaper at 23s. per lb. from makers.

ASPIRIN is meeting with but a limited demand; quoted prices are unchanged, but the market is not firm: home trade, 2s. 9d. to 2s. 11d. per lb. as to quantity; export to Colonies and British Possessions, ten cwt., 2s. 8d. up to 2s. 9½d. per lb. for small parcels; export to other destinations, about 3½d. per lb. more. Home and Continental sources quoting level throughout.

BARBITONE is steadier, and nothing is now offering under 7s. to 7s. 6d. per lb. as to quantity.

BENZALDEHYDE is unchanged on a slow market: quantities in carboys, about 2s. per lb.

BENZOIC ACID is easier as a result of competition between home sources: quantities ex works, 1s. 11d.; spot parcels, about 2s. per lb.

BENZONAPHTHOL is unchanged on a quiet market: spot, 2s. 10d. to 3s. per lb. as to quantity.

BROMIDES.—The position shows no material change; business is limited, while competition is noticeable: dealers quote



ammonium at about 1s. 9d.; potassium, B.P. crystals, 1s. 5d.; granular, about 1s. 5d.; sodium, B.P., about 1s. 8d. per lb. for fair quantities. Home makers' prices are competitive.

CALCIUM LACTATE continues to be offered on spot at 1s. 1½d. to 1s. 3d. per lb. as to quantity; business is limited.

CANTHARIDIN.—Makers have reduced their list price by 2s. per oz. to 68s. per oz.

CHLORAL HYDRATE is steady as quoted by home makers at 3s. 1d. to 3s. 3d. per lb. as to quantity; foreign on spot, 3s. 6d. per lb.; the price for the latter may be more competitive in the near future.

CHRYSAROBIN has eased to 10s. per lb.

CITRIC ACID (B.P. crystals).—Probably owing to the recent spell of hot weather the demand has been on a better scale and the market is at the moment steadier, with few holders willing to accept anything less than 1s. 6d. per lb., less 5 per cent., for good quantities of foreign. Home makers are reported to be fairly well sold. They quote 1s. 6½d. per lb., less 5 per cent.

Sicilian exports of citrate of lime during 1929 aggregated 1,728,783 kilos, valued at 10,515,237 lire, compared with 647,029 kilos, valued at 4,174,007 lire in 1928. The following figures show the amounts, destinations, and values of shipments in 1929:—France, 703,607 kilos, valued at 4,258,841 lire; Great Britain, 1,019,786 kilos, worth 6,226,796 lire; and Spain, 5,390 kilos, having a value of 29,600 lire.

CREAM OF TARTAR.—The position is unsatisfactory, the market showing a heavy loss on the week, with the tone still weak; business has been a matter of negotiation where orders of any size were concerned; to-day the price would be about 90s. per cwt., less 2½ per cent., for foreign on spot, and quantities of two or three tons might be booked at even less.

CREOSOTE (B.P.) is unchanged on a dull market at 1s. 8d. to 1s. 9d. per lb. as to quantity.

CREOSOTE CARBONATE is offering on spot at about 5s. 9d. to 6s. 3d. per lb. as to quantity; sales have been poor.

EMETINE SALTS have been reduced by makers, who quote the pure alkaloid at 110s. per oz.; emetine bismuth iodide at 35s. 6d.; hydrobromide and hydrochloride at 66s. 6d. per oz.

GUAIACOL CARBONATE is quoted by dealers in the region of 4s. 4d. to 4s. 8d. per lb. without attracting much business.

HEXAMINE.—Business remains slow and limited in size, with sales prices at about 1s. 10½d. to 1s. 11½d. per lb. as to quantity; Convention prices are nominal from 2s. 2½d. upwards.

HYDROQUINONE is steady and business is fairly good: Convention rates of 3s. 7½d. to 4s. 5d. per lb. as to quantity obtain.

LACTIC ACID (B.P.) is easy on spot at 1s. 11d. to 2s. per lb. for quantities in carboys, with jars one penny per lb. more.

METHYL SALICYLATE (B.P.) continues unchanged as quoted by makers and dealers at 1s. 3d. to 1s. 5d. per lb. as to quantity; business has been limited.

METHYL SULPHONAL remains slow; the market is easy at 12s. 7d. to 13s. 10d. per lb. as to quantity.

MILK SUGAR.—Keen competition for business exists among the German makers and business has been done at from 41s. to 42s. per cwt. for B.P.

PARAFORMALDEHYDE is unchanged on quotation on a keen market: 100 per cent. powder in quantities, 1s. 6½d.; small lots, about 1s. 7d. per lb.

PARALDEHYDE is a slow item: quoted from 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

PHENACETIN.—Business continues on a small scale, while quoted prices are not easy to obtain: quoted from 5s. 8d. to 3s. 11d. per lb. as to quantity.

PHENAZONE remains subdued, with Convention prices inclined to be discounted in some quarters: quoted at 6s. 11d. to 7s. 3½d. per lb. as to quantity.

PHENOLPHTHALEIN continues fairly steady on spot at 6s. 11d. to 7s. 1½d. per lb. as to quantity; business is limited.

PILOCARPINE.—The pure alkaloid is 5s. per oz., cheaper at 20s. per oz. Hydrochloride and nitrate are 1s. per oz. cheaper at 13s. and 12s. per oz. respectively.

POTASSIUM PERMANGANATE (B.P.) is quiet, with prices for quantities in drums unchanged at 5½d. and druggists' parcels at 6d. per lb. ex store.

RESORCIN remains quiet: quoted on spot at about 2s. 11d. to 3s. 2d. per lb. as to quantity.

SACCHARIN.—Insoluble 550 is quoted at 43s. 6d. per lb. duty paid, soluble 500 being 2s. per lb. less.

SALICYLIC ACID (B.P.) is unchanged at makers' prices of 1s. 5d. to 1s. 8d. per lb. as to quantity.

SPARTEINE SULPHATE is quoted by makers at 2s. per oz.

SULPHONAL is easy at 10s. 1d. to 11s. 2d. per lb. as to quantity.

TANNIC ACID (B.P. *leviss*) is offering on spot in quantities at about 2s. 8d. in kegs; smaller lots about 3s. per lb.; market is quiet.

TARTARIO ACID (B.P. crystals).—The volume of business moving remains poor, while the market for foreign is about unchanged at 1s. 0½d. per lb., less 5 per cent. A shade less might be accepted in some quarters for large orders. English makers quote 1s. 0½d., less 5 per cent.

THYMOL.—Convention prices are nominal at 8s. 9d. to 9s. 8d. per lb. At the moment sales appear to be a matter of negotiation, with prices probably in the region of 8s. to 8s. 6d. per lb. for fair quantities.

## Industrial Chemicals, etc.

London, July 9.

Two or three reductions in values are recorded this week. Potassium and sodium bichromates are cheaper for home trade; chlorates are also weak. Business generally continues on a very limited scale throughout.

ACETIC ACID is meeting with a moderate demand, with prices unchanged: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66 in glass demijohns; glacial in barrels, £56 per ton ex store.

ACETONE continues at Convention prices, but the demand is of little account: B.G.S. in drums, £71 10s. to £80 per ton ex store or wharf.

AMMONIA (ANHYDROUS) is fairly bright so far as small spot business is concerned and prices are unchanged at 10d. to 1s. per lb. for 99.95 per cent. material in loaned cylinders, carriage paid.

AMMONIUM CHLORIDE shows little real activity: dealers are quoting grey galvanising at about £21 7s. 6d. per ton in casks, ex store; slightly less for contracts.

ARSENIO is, if anything, a shade easier as quoted at £15 15s. per ton for Cornish white powdered f.o.r. mines; business is slack.

COPPER SULPHATE.—The export trade has remained dull, although there is still a certain amount of material shipped against old contracts. Associated British makers ask about £24 10s. for casks, less 5 per cent., f.o.b. The market is out of season, but some of the makers are beginning to make provision for their requirements in rough bar copper for the next season.

EPSOM SALT is unchanged on a poor market: commercial quality in single bags, £4 5s. per ton ex store; slightly less for contracts.

FORMALDEHYDE continues very competitive and in slow demand: the market is easy for large quantities at about £31 per ton for 40 per cent. by volume in casks, ex store.

ISOPROPYL ALCOHOL meets with a moderate business, with prices for good quality at about 11s. to 12s. per gallon in drums, carriage paid; less for lower grades.

POTASH CAUSTIC continues to be quoted at Convention rates, with business of little account: 88 to 92 per cent. solid, on spot, £29 10s. to £34 10s. per ton in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM BICHROMATE for home trade is a shade easier at 4½d. per lb., carriage paid.

POTASSIUM CARBONATE remains subdued, while dealers' quoted prices are difficult to obtain: 90 to 92 per cent., £23 10s. to £24; 96 to 98 per cent., £25 10s. per ton in casks, ex store, and less for contracts.

POTASSIUM CHLORATE is easy on a dull market at £26 5s. per ton; small lots about 3½d. per lb., ex store.

POTASSIUM PERMANGANATE is steady on a slow market, with commercial quality in two-cwt. drums at 5d.; smaller parcels, 5½d. per lb., ex store.

POTASSIUM PRUSSIAN is in poor request: yellow, £63 10s. to £65 10s.; single casks, 7d.; smaller parcels, 7½d. per lb., ex store.

SAL AMMONIAC is unsteady on a slow and competitive market: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 12s. 6d. per ton in casks, ex store; slightly less for contracts.

SALTOAKE is meeting with a fair demand, with quoted prices in the region of 55s. to 60s. per ton in bulk, delivered.



SODIUM ACETATE continues dull and easy for quantities at about £20 per ton in casks, ex store.

SODIUM BICHROMATE is easier for home trade at about 3½d. per lb., carriage paid.

SODIUM CHLORATE is rather easier, with prices for fair-sized quantities at about £24 per ton; small parcels, about 3d. per lb., ex store.

SODIUM HYPOSULPHITE is fairly steady and business is moderate: dealers quote pea crystals in one-cwt. kegs about £15 per ton; commercial quality, £9 10s. in casks, ex store; makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM PRUSSATE is steady, although the demand remains poor: quantities, 4½d. to 5d.; smaller parcels, about 5½d. per lb., ex store.

SODIUM SULPHIDE is slow of sale: dealers offer 60 to 62 per cent. solid, £9 5s.; broken, £10 5s. per ton in drums, ex wharf.

COAL-TAR PRODUCTS, ETC.—In some directions a little better report is received this week and a few products are steadier. The volume of business, as a whole, is, however, still comparatively poor. ANILINE OIL is offering at about 8½d. per lb., packages extra, carriage paid; market is dull. ANILINE SALT is unchanged at about 8½d. per lb., packages extra, carriage paid. BETANAPHTHOL is a shade easier at about 9d. to 9½d. per lb., carriage paid; market is slow. CARBOLIC ACID CRYSTALS are perhaps a little steadier, while business, although still limited, has shown some signs of recovery: quoted at 7d. to 7½d. per lb., carriage paid, or f.o.b. in drums with overcasks; crude carbolic 60's, 2s. to 2s. 3d. per gallon naked at works. CREOSOTE OIL is meeting with occasional inquiry, with quoted prices unchanged at 4½d. to 4¾d. per gallon in bulk quantities, f.o.b.; home trade is in the region of 4d. per gallon, ex works. CRESYLIC ACID is still quiet, but there is no further change in values: pale 97 to 99 per cent., 1s. 10½d. to 2s.; refined, about 2s. 6d. to 2s. 8d.; dark 95 per cent., about 1s. 8d. per gallon. NAPHTHALENE is dull and easy at £14 12s. 6d. to £14 15s. per ton for flakes and balls in cases, ex wharf. METHYL ALCOHOL is irregular on a keen market in the region of £41 per ton in drums, ex store. PYRIDINE is nominal on a neglected market at 4s. to 4s. 6d. per gallon, f.o.b. TOLUOL is steady, with some business about: commercial 90's, 1s. 10d.; pure, 2s. 2d. per gallon, ex works. XYLOL remains slow of sale: commercial, 1s. 10d.; pure, about 2s. 1d. per gallon, ex works. PITCH is nominal, with the market practically lifeless except for isolated inquiry for next season: quoted at 47s. 6d. per ton, f.o.b. East Coast.

### Fixed Oils, etc.

ALTERATIONS in this section are mostly limited to a few changes in prices. Coconut, cotton oils, etc., show a slight improvement, while linseed oil and American turpentine show a loss on the week. ACID OILS are dull and irregular; coconut and/or palm kernel, 30s.; groundnut, 25s.; soya, 21s. 6d. spot. CASTOR.—Quoted values are unchanged on a dull market: pharmaceutical, 44s. 6d.; first pressings, 39s. 6d.; second pressings, 37s. per cwt. in barrels, in not less than one-ton lots. COCONUT.—The market is steadier; deodorised, spot, 39s. 9d.; Ceylon, 30s. 6d. c.i.f. COTTON.—Values are about unchanged on a poor market; deodorised, 36s. 6d.; common edible, 34s. 6d.; soapmaking, 32s. 3d.; crude, 29s. 6d. spot. GROUNDNUT is steadier but still quiet; deodorised, spot, 39s. 9d.; crude Oriental, c.i.f., 33s. PALM KERNEL remains dull and is slightly easier; deodorised, 38s.; crude, 32s. spot. PALM.—With values for some grades slightly easier on the week the market is now steadier, and business is a little better; Lagos, 22s. 6d.; softs, 22s.; mediums, 23s.; hards, 23s. 9d.; bleached, 25s. 6d. spot. RAPE is quiet and easier; refined, 38s. 3d.; crude, 36s. 9d. spot. SOYA is slightly easier on a dull market; deodorised, 34s. 9d.; crude, 28s. 6d. spot. LINSEED (raw, naked).—Values for all positions are much easier this week, and the market is still unsteady. On spot, 37s. 6d.; July, 33s. 3d.; July-August, 32s. 10½d.; September-December, 32s.; January-April, 30s.; boiled oil, on spot, 42s. 3d. TURPENTINE.—The market has been affected by weak American advices attributed to a considerable increase in domestic stocks, and there were rather sharp fluctuations at Savannah, where the market recovered from the worst. The spot demand here was only moderate, and the market closed dull and easy at 37s. 3d. for spot, 37s. for August, and 37s. 9d. for September-December. Last week's deliveries were 1,871 barrels, making a total since January 1 of 52,775 barrels compared with 51,930 barrels for the same period last year. Stocks were returned at 7,998 barrels, which to-

gether with the landings and afloats made the London visible supply 19,849 barrels against 18,275 barrels at the same date last year. RESIN.—The market was unsettled despite attempts made in America to stabilise the market. Prices there fell below \$5 for medium grades, while American stocks increased further. Prices here were naturally affected, and c.i.f. terms were as follows:—American B/D, 12s. 6d. to 12s. 9d.; E, 13s.; F/K, 13s. 1½d.; M/N, 13s. 4½d. to 14s. 3d.; W/G, 15s.; and W/W, 17s. per cwt. WOOD.—Hankow in barrels on spot is offering at about 50s.; market is dull.

LUBRICATING, MINERAL, BURNING OILS, ETC.—A continuance of depressed markets is reported with quoted values in most instances easy. Benzol and solvent naphtha 90 to 160 are the two good markets. BENZOL is steady with a fair business moving; standard motor 90's, country, 1s. 5d. to 1s. 5½d.; London, 1s. 7d. per gallon, ex works, in tank wagons. FUEL OIL is dull with quoted values unchanged; 950 gravity, £3 5s.; 890 gravity, £3 17s. 6d. per ton, ex tank; slightly cheaper forward. PARAFFIN OILS are steady but slow of sale; American standard white, 1s.; water white, 1s. 1d. per gallon, barrels free, ex wharf. PARAFFIN WAX AND SCALE.—Wax is inclined to be easy as quoted at 1½d. to 4½d. per lb. according to melting point, in bags, ex store; scale is quoted for shipment at about £12 5s. per ton, c.i.f. WHITE OILS are dull and easy as quoted. Special No. 1, £24 7s. 6d.; No. 1, £23 7s. 6d.; No. 3 half-white, £20 7s. 6d.; No. 4 half-white, £18 7s. 6d. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS.—There is a fair demand for 90 to 160 at about 1s. 2d. per gallon, naked at works. Heavy 90 to 190 remains dull; quoted at about 1s. per gallon, naked at works. PETROLEUM JELLIES are quiet and easy as quoted; white to snow white, £36 10s. to £46 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £11 5s. per ton, barrels free, ex wharf. LUBRICATING OILS.—Business remains poor while the market is by no means steady. On spot, pales, £9 12s. 6d. to £21; reds, £11 to £21; dark cylinders, £12 to £30; filtered cylinders, £21 to £31 10s. per ton, less 2½ per cent.

### English Herb Crops

Potter & Clarke, Ltd., write that owing to the absence of night frosts in May there is every prospect of abundant crops. AGRIMONY, BORAGE, COMFREY, MELISSA, PEPPERMINT and RUE are above the average. POPPY HEADS are growing on stalks of "record" height, and a crop of FENNEL herb is standing nearly six feet high. LACTUCA VIROSA.—The supply now exceeds the demand. DIGITALIS and BELLADONNA have done badly with us this year—the latter has almost disappeared. STRAMONIUM.—An experimental crop in 1929 gave 0.35 non-volatile alkaloids, compared with 0.29 Italian and 0.26 Hungarian. If the crop this year proves equally satisfactory we propose increasing the area, although the low price of foreign-grown and doubtful average yield in England does not promise much financial remuneration. Fresh supplies of Continental seed are necessary each year to maintain the vigour of the plants. CULINARY HERBS.—Sage and mint are good. Parsley is abundant—the English crop will probably eliminate the sale of foreign grown. The French crop this year is reported a failure. Thyme and marjoram are good crops, but growers complain of unremunerative prices. Unless these can be sold at a price not exceeding 50 per cent. more than the foreign article the demand is likely to be negligible.

Stafford Allen & Sons, Ltd., write as follows:—BELLADONNA.—This should be a good average crop; the mild winter was distinctly helpful and our plantations are looking very well. HENBANE.—The second-year plants have grown well and a good collection of flowering tops and leaves has been made. The first-year plantations are also looking well, and provided weather conditions are suitable there will be a good picking of first-year leaf in the autumn. DIGITALIS.—The mild winter has also helped the second-year plants here, and a very good picking of leaf has, so far, resulted. Our plantations have been increased to meet the demand for high-testing leaf. The first-year plants of this crop are also looking very well. LAVENDER.—The crop is in excellent condition and promises well, the warm weather of the last few weeks having brought the flowering spikes along well. PEPPERMINT.—The prospects are not too promising here; the crop is always a rather uncertain one, and the plantations now are badly wanting rain. DILL.—We shall have a fair average crop; flowering is rather more forward than usual for this time of year. CHAMOMILE.—The crop is growing well, but it is beginning to want rain; we hope to get a good yield of oil. ROSEMARY.—This small article keeps up to normal. ACONITE.—There will be an average crop. VALERIAN.—This also will probably be about an average crop.





Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

### A Dispensing Complaint

SIR,—A prescription from Harley Street, London, was handed to us for "Tab. menthol gr. j., B. W. & Co. Mitte 50." On referring to the makers' price list, we found  $\frac{1}{4}$ -grain strength only listed; and on asking the representative of that firm, who chanced to be present, he said that  $\frac{1}{4}$ -grain was the only strength they made. The prescription had been originally dispensed in London, but no indication was given on it by the dispenser as to what strength or whose make was dispensed. Was that fair? It is known to be not uncommon for doctors to confuse the preparations of one leading manufacturing house with those of others.

Yours, etc.,

SCOTS (7/7).

[Our correspondents are the proprietors of a well-known business in Scotland.—EDITOR.]

### Gambling in Proprietaries

SIR,—In the article on "Some Early Press Advertisements" (*C. & D.*, June 28, p. 833) we read of many patent medicines which evidently sold well during their day; but with the exception of a few, they have never been heard of by the ordinary retail chemist of to-day. It is possible that the *C. & D.* of 2030 will give illustrations of advertisements appearing now, and the proprietaries which we sell will seem equally curious and grotesque to the pharmacist of that date. But reading this article took my mind back to some correspondence which appeared in your columns a little while ago, in which a traveller regretted that chemists were usually unwilling to place an order for a new line, while, on the other hand, he stated, the stores were always ready to do so; and this question of survival of remedies led me to consider whether there was any ground for the accusation that the private chemist was wanting in enterprise. As a chemist in a small way this is how it appears to me. Hardly a week goes by without some representative offering an entirely new pack, which is, according to him, going to sell better than any other line, be a constant repeater, and what about a gross of the 3s. size for an initial order? Whenever I hear that sort of sales talk I am practically decided at once not to invest; for immediately my thoughts go back to the years when money was more plentiful, and I always feel that I should like to take that traveller round the stock and show him the relics of lines which were going to be just as wonderful as his and came to nothing, or at the most amounted to an odd sale occasionally. In nine cases out of ten, out of an initial £5 order the ordinary chemist will sell perhaps a fifth from a full window display; but as he cannot afford to devote his window indefinitely to one line, the result is that after the first spasm the rest remains on hand until it is looked on as dead stock. After a few experiences such as that the small man adopts caution. In the tenth case it might be a good deal; but the man with limited capital cannot tell beforehand which it is, and to speculate on all of them is about as sensible as trying to back the winner. One is naturally curious to know what happens to the big stores, which, we are asked to believe, take up every line which is brought out. Is it possible that the same manufacturers who think the individual proprietor unenterprising because he will not order a parcel are quite willing to deposit stocks in the stores on the "pay when sold" basis, in order to be able to advertise "at all branches of . . ."?—Faithfully yours,

PAGARE (8/7).

### Policy in Publicity

SIR,—It fell to my lot a few months ago to use the obituary columns of two local papers, and I was rather surprised at the results. Almost before the funeral a tout for a firm of "memorial sculptors" was on my doorstep, and three separate catalogues dealing with the same class of work came through my letter-box. As it turned out, we chose eventually another firm. A rather amusing incident was the receipt of a demand for my attendance as a juror at some forthcoming sessions, under penalty in default. As it happens that I am exempt on two or three quite sufficient grounds (I have never in my life been on a jury), I did not worry over the matter. As your correspondent "Nuova" (*C. & D.*, July 5, p. 29) suggests, notice taken for business purposes of births advertised has doubtful value. I know one man who used to follow these up, but soon dropped it. Any pharmacist who shows himself so anxious to get new business in this way has only himself to blame if he gets a bad debt left on his books.—Yours, etc.,

LOOKER-ON (7/7).

SIR,—"*Nuova*" raises the question of supplying factory proprietors with the Home Office cabinets. Although it is now too late for action beyond selling the smallest-size cabinet to new garages, I would like to add my criticism. When the Act applying to factories and workshops first came into force, I ordered sample cases, intending to call upon all the likely people in my district. I was kept waiting a considerable time by the manufacturers of them; and in the meantime Messrs. Boots had been round and the secretary of the Bakers' Association had sold to all the bakers (but *minus* the cocaine eye drops, and I believe the cabinets are still without cocaine). However, the makers sent me a good supply of leaflets, which I sent with a personal letter; I was successful in selling quite a few, and now hold a comprehensive stock of refills, which are constantly required. There is a firm of manufacturers who sold these cabinets direct to the factories, and now expect chemists to do business with them. I have given one instance of manufacturers being slow in helping retailers, and will give another—the Coal Mines Regulations making it compulsory for mines to have cabinets. Two months before these Regulations came into force I got in touch with a manufacturer's house, and they confessed they knew nothing about the Regulations—but they certainly got to know. Eventually I found out that the collieries had been quoted 5s. 6d. each for a very strong case fitted up with necessary dressings. I was offered the order for fifty, and could have got a much bigger order from another colliery if I could have supplied as good a case at the same price or a little more. Two manufacturers quoted me both considerably more. I submitted their prices, not putting on any profit (thinking of the future supply of the dressings), and lost the order. I had to admit that the articles I offered were not as good, besides being dearer. Trade is admittedly bad; and yet when business is pushed at us it is lost for want of enterprise on the part of manufacturers. With regard to first-aid boxes for motorists and cycling associations, I consider that the boxes we are offered are too dear. My experience of photographic societies is that they are more "humbug" than they are worth. The members want out-of-the-ordinary things in small quantities and at wholesale rates, and if one is not careful bad stock ensues. The only way to follow up birth announcements seems to be to send a small present, such as a baby's hair brush, but with the clinics having such a hold, it is doubtful whether such a method is productive, and as much good can be done by judicious inquiry as to the child's progress. Maternity outfits are not sold, because they are not stocked, and, again, drapers sell them more cheaply. Manufacturers may be excused because so few chemists try to do any business in the lines criticised, and consequently small sales cause high prices and lack of interest.

Yours faithfully,

MIDLANDER (8/7).



## Dispensing Notes and Difficulties

### Iodine Incompatibility

SIR,—What is formed in the following mixture? It becomes almost colourless in about an hour.

Tinct. iodi ...	...	...	℥. iij.
Sod. salicyl. ...	...	...	gr. x.
Aq. menth. pip. ...	...	ad	3j.

Yours faithfully,

PYRO (23/6).

[Iodine is incompatible with salicylic acid and with sodium salicylate, and, it is stated, will slowly decolorise when mixed with either. In our samples some colour remains after several days. Mono-, di-, and tri-iodo-salicylic acid and tri-iodo-phenol are formed.]

### Change of Colour

SIR,—We have made up the following prescription for a lady several times, and it results in a mixture of a cloudy red colour (perhaps a bluey-red would more correctly describe it). The lady has also had it made up at two other places, where it was of a red colour. They explained this to her by saying that the previous mixtures (ours) were probably made with old ingredients. This was not the case. We used B.P.C. syr. glycerophos. co.

Luminal sodium ...	...	...	gr. ss.
Spt. amm. aromat. ...	...	...	℥. xv.
Syr. glycerophos. co. ...	...	...	3j.
Aq. chlorof. ...	...	ad	3ss.

Yours faithfully,

C. & S. (14/6).

[The syr. glycerophos. comp. in the prescription in question should be B.P.C. This syrup is coloured with tincture of cudbear. Cudbear imparts a rich red colour to acid and neutral mixtures, but changes to purplish-red with alkalis. The amount of spirit. ammon. aromat. renders the slightly acid syrup alkaline. It is an unfortunate and unnecessary addition, but must be dispensed as ordered. If compound syrup of glycerophosphates made according to Dr. Robin's formula is used, the finished mixture will be red. Robin's syrup is coloured with syrup of cherries and tincture of kola, and unless specifically ordered by the physician should not be dispensed.]

## Legal Queries

R. T. (6/6).—The formula, as well as the words disclaiming proprietary rights, must appear not only on the label itself, but also on the outside of the package; that is, on the carton or wrapper, as the case may be.

E. J. (26/5) asks if a preparation described as a "Blood Wine prepared according to the B.P.," and which consists of an orange wine with ferri et ammon. cit. can be stocked and sold by grocers without a wine licence? [We think that in view of the recent decision of the High Court in the Brighton case a grocer who sold this wine without holding a wine licence would run grave risk of being prosecuted by the police.]

G. B. S. (17/6) entered the employ of a chemist under a verbal agreement. In January last, the chemist paid "G. B. S.'s" subscription to a society for the year, which he had previously agreed to do. The engagement has now come to an end, and in paying "G. B. S." his salary the chemist has deducted the proportion of the subscription up to the end of the year. Was he entitled to do this? The chemist states that it was agreed that such a deduction should be made in the event of "G. B. S.'s" leaving; but this is denied by "G. B. S." [In our view, the deduction was reasonable, and would probably be upheld by the Court unless it was expressly agreed that no such deduction should be made, which, apparently, was not the case.]

## Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Warwick (20/6).—A reply to your inquiry sent to the address given in your letter has been returned marked "not known."

W. S. (23/86).—BATTERY ACID.—The "20 Beaumé" refers to the specific gravity as measured on the Baumé hydrometer, and for the purpose of battery acid may be regarded as 1.160. The Baumé hydrometer is largely used in the United States and Germany. The subject was dealt with in the C. & D. Commercial Compendium.

G. N. (24/68).—The specimens of wild flowers from the Sussex Downs are as follows:—The plant with rough red spotted stem is *Echium vulgare*, Linn., N.O. Boraginaceæ, commonly called Viper's Bugloss. The plant is of interest and differs in having irregular flowers, the majority of the British Boraginaceæ having regular rotate flowers. The red spots are the bases of white bulbous hairs. In *Echium vulgare* the corolla is tubular and irregular, and the filaments of the stamens are unequal, but very long and exerted. The style is bifid. The beginner may therefore be excused for not recognising that it belongs to the Boraginaceæ. The characters that would indicate it would be the alternate hairy leaves and the fruit consisting of four half carpels resembling seeds, properly called pyrenes, but sometimes described as "nuts." A nut, however, consists of three or more carpels run into one, and containing one seed, like the acorn, the hazel and the coconut. Unfortunately, the term pyrene is sometimes applied to the single hard endocarp of a drupe, which is more usually known as a stone. The pyrene or "seed" of Viper's Bugloss was according to the Doctrine of Signatures supposed to resemble the head of a viper, and therefore to cure the bite of that reptile. Dioscorides claimed that anyone who had taken the herb before being bitten would not be hurt by the poison of any serpent. The same belief seems to be held in France, where the plant is called Viperine, and in Italy, where it is known as Viperina.—The orchis sent is the bee orchis, *Ophrys apifera*, Hud., so called from the fancied resemblance of the flower to a bee.—The red flower is a garden escape, a red-flowered aquilegia (N.O. Ranunculaceæ), in which the stamens have been turned to petals and the petals are not spurred, a double-flowered form.

## Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," July 15, 1880

### General Medical Council

Among the free entertainments which a beneficent Government has bestowed on the idle Londoner, not the least interesting is a debate of the Medical Council when that eminent body is in session. It is desirable, of course, that the aforesaid idler should have some preliminary acquaintance with medical affairs, but this is by no means essential, for the debaters are quite willing to roam over the wide expanse of all discussible subjects, and probably would enlarge the range of their vision considerably if an interested public could be secured. Among the 24 gentlemen who form that Council there are several of unquestionable eloquence, and two or three recognised humorists. It is quite unnecessary to add that all are men of distinguished ability. . . . Above the Councillors is a small gallery capable of holding some 20 visitors, and generally 20 times larger than is necessary.





[Commenced C. & D. July 5, 1924]

**Sodium Hypophosphite.**—Hypophosphites are usually prepared by heating phosphorus with aqueous solutions of metallic hydroxides. For the sodium salt, when required for pharmaceutical purposes, this method is unsuitable, since the hypophosphite formed is partly oxidised to phosphite. It is therefore obtained by the double decomposition of sodium carbonate and calcium hypophosphite, which may be obtained as above. The calcium carbonate is filtered off, and the filtrate evaporates at a low temperature. A granular product is obtained by stirring during the later stages of evaporation. The salt is represented in many foreign pharmacopœias by the monohydrate ( $\text{NaH}_2\text{PO}_2 \cdot \text{H}_2\text{O}$ ), but the B.P. 1914 requires that the loss of weight when it is dried at  $110^\circ$  shall not exceed 2 per cent. It occurs as small colourless rectangular plates, or as a white granular powder, and is deliquescent. It is soluble in water 1 in 1, and in alcohol 1 in 30; the aqueous solution absorbs oxygen from the air, forming the phosphite. The salt is decomposed when heated, with loss of phosphine and formation of meta- and pyro-phosphate. It explodes when heated or rubbed with oxidising agents. Metallic gold and silver are precipitated from solutions of their salts by sodium hypophosphite, while from a solution of copper salt, the hydride,  $\text{Cu}_2\text{H}_2$ , is precipitated. Sodium hypophosphite is administered, often in conjunction with the hypophosphites of iron and calcium, for the supposed nutritive value of its phosphorus content, particularly in tuberculosis. There is, however, no evidence that the hypophosphorous acid ion can exert any physiological effect.

**Sodium Iodide** is obtained by a method similar to that used in the manufacture of sodium bromide. It can also be obtained by the direct combination of iron and iodine in the presence of water, and subsequent decomposition of the ferrous-ferri iodide formed, with sodium hydroxide. The solution should be evaporated at a temperature above  $65^\circ$ , in order to obtain the anhydrous salt which is official in the B.P. 1914; below this temperature the salt is liable to crystallise with two molecules of water. Sodium iodide occurs as colourless cubical crystals, or as white crystalline hexagonal plates, with a saline bitter taste. It is very soluble in water, 3 in 2 at  $15^\circ$ , and 3 in 1 at  $100^\circ$ ; it is also soluble in alcohol, about 1 in 2. The aqueous solution is slightly alkaline and decomposes slowly on exposure to light with liberation of iodine. The salt is very deliquescent and decomposes similarly if exposed to moist air. It melts at  $650^\circ$ , with slight decomposition, and at a higher temperature can be volatilised. Sodium iodide is used for precipitating silver and gold from weak copper ores. Medicinally its properties closely resemble those of potassium iodide, but it is stated to be less irritating to the stomach and less depressing to the heart. It is incompatible with alkaloids, with salts of ferric iron and bismuth, and also with spt. æther. nit., except in the presence of excess of alkali.

**Sodium Metabisulphite**,  $\text{Na}_2\text{S}_2\text{O}_5$ , is prepared by prolonged treatment of sodium carbonate solution with sulphur dioxide, and separates in anhydrous crystals when the resulting solution is cooled. It should be stored in well-closed containers, as it oxidises slowly in air, with loss of sulphur dioxide. Heated to  $80^\circ$  it is decomposed into sodium sulphite and sulphur dioxide, and at higher temperatures sodium sulphate is formed. It is used in the preparation of acid fixing baths in photography, but the potassium salt is usually preferred.

**Sodium Morrhuate.**—This substance was introduced by Rogers for the treatment of phthisis, following on successful results obtained in the treatment of leprosy by means of sodium chaulmoograte. The action of these substances is supposed to be due to their capacity for attacking the waxy coating of the acid-fast bacilli responsible for the diseases. Sodium morrhuate is obtained from cod-liver oil by heating with caustic soda solution and alcohol under a reflux condenser. The product is neutralised exactly, evaporated to dryness, and extracted with ether. The ether is distilled off, the acids precipitated by sulphuric acid, well washed, and exactly neutralised with alcoholic sodium hydroxide. The alcohol is then distilled off to obtain the sodium morrhuate. The substance is administered by hypodermic injection in 3 per cent. solution, gradually increasing the dose from  $\frac{1}{2}$  to 2 mls., and then intravenously up to 4 mls. More recently, the substance has been tried, with successful results, for the injection treatment of varicose veins. For this purpose 5 per cent. or, very rarely, 10 per cent. solutions are employed.

**Sodium Nitrite** occurs in small quantities in Chili salt-petre. It is manufactured by heating the nitrate with good quality sheet lead, and extracting the cooled melt with water. A large proportion of the sodium nitrite supply is now obtained as a by-product of various processes for the fixation of atmospheric nitrogen, the nitrous fumes being absorbed in dilute sodium hydroxide solution, which is then crystallised. Sodium nitrite separates from its aqueous solution in rhombic crystals, which usually have a yellow tinge. It is odourless, has a saline taste, and is very deliquescent. It also occurs in commerce as fused sticks having a crystalline fracture. Solubility, in cold water 1 in  $1\frac{1}{2}$ , and in alcohol 1 in 50. On heating, sodium nitrite melts at about  $270^\circ$  and at higher temperatures it is decomposed with evolution of nitrogen peroxide. It is used extensively for diazotising in the manufacture of azo- and other dyestuffs. Medicinally it is given as a vaso-dilator, its effect being more prolonged, but less readily established than that of nitroglycerin. It is used particularly in angina pectoris and to lower the blood pressure. It is incompatible with all oxidising agents and also with acetanilide and phenazone. The maximum pharmacopœial dose is 2 grains, but a gradual increase to a dose of five or more grains is not unusual. It should always be well diluted, as it is liable to derange the stomach. A di-sodium nitrite,  $\text{Na}_2\text{NO}_2$  is also known; it separates in yellow crystals, when molecular proportions of sodium and sodium nitrite are mixed in anhydrous liquid ammonia solution.

**Sodium Nucleinate.**—Two kinds of nucleic acids are known and are named, after the source from which they are usually prepared, yeast nucleic acid and thymus nucleic acid. That from yeast is the more common. Washed and defatted brewers' yeast is warmed with dilute sodium hydroxide, which splits it into a protein and nucleic acid. The former is filtered off and the latter is precipitated from the filtrate by means of acetic acid. It is purified by repeated solution and re-precipitation, the final precipitations being effected by means of excess of 95 per cent. alcohol. The sodium salt is obtained from the acid by neutralisation with sodium carbonate. It occurs as a greyish- or yellowish-white powder, readily soluble in water and having a very complex constitution. One of the latest formulas for the free acid is  $\text{C}_{38}\text{H}_{49}\text{O}_{26}\text{N}_{15}\text{P}_4$ . Sodium nucleinate is usually administered by intramuscular injection of 1-2 c.c. of a 5 per cent. solution in normal saline. It is of value in leucocytosis, in anaemia and tuberculosis, and as a general tonic in many bacterial infections. The name is sometimes abbreviated to "sodium nucleate."

**Sodium Perborate**,  $\text{Na}_2\text{BO}_3 \cdot 4\text{H}_2\text{O}$ , must be distinguished from sodium baborate, or borax ( $\text{Na}_2\text{B}_4\text{O}_7$ ). It is prepared from borax, sodium hydroxide and hydrogen peroxide, which are mixed in warm aqueous solution. The operation is conducted in small wooden vats in order to avoid decomposition of hydrogen peroxide, and



## The C.&D. Commercial Compendium

the separate batches are united and cooled, when the perborate separates out in transparent monoclinic prisms. The substance can also be obtained by the electrolysis of a solution of borax and sodium carbonate or hydroxide. Sodium perborate is soluble in cold water, about 1 in 40, giving an alkaline solution having the properties of a mixture of borax and hydrogen peroxide, and owing to the instability of hydrogen peroxide in the presence of an alkali, the solution decomposes slowly on standing, rapidly on heating, with evolution of oxygen. It was official in the U.S.P. IX, where it was required to contain not less than 9 per cent. of available oxygen, but was omitted from the subsequent edition. It is used for all purposes where an alkaline oxidising agent is required, such as in laundries for bleaching, in the preparation of deodorants and germicides depending for their action on oxygen, in dentifrices, and as an ingredient in many laundry soap and washing powders. It is rarely employed medicinally, but can be used as an antiseptic dusting powder or lotion for wounds and ulcers.

**Sodium Peroxide**,  $\text{Na}_2\text{O}_2$ , is obtained by heating metallic sodium at  $300^\circ$  on aluminium trays in a current of air free from carbon dioxide. The commercial product is usually of a yellowish colour, owing to the presence of iron. It is very hygroscopic, forming in moist air, the hydrate,  $\text{Na}_2\text{O}_2 \cdot 8\text{H}_2\text{O}$ . It also absorbs carbon dioxide, giving sodium carbonate with evolution of oxygen. When heated alone, sodium peroxide darkens in colour, but is not decomposed, and the original colour is restored on cooling. In the presence of other substances it readily gives up oxygen, and readily attacks many organic substances and most metals. Insoluble minerals when fused with sodium peroxide are oxidised and rendered soluble. It dissolves in water with considerable rise of temperature and decomposition into sodium hydroxide, and hydrogen peroxide, from which oxygen is evolved, slowly if ice-cold, rapidly if the temperature be allowed to rise. Owing to its oxidising properties it is used as a bleaching agent for materials, which are not injured by the causticity of the sodium hydroxide formed by its decomposition. This drawback is sometimes overcome by admixture with magnesium sulphate, whereby non-caustic magnesium hydroxide is formed in the presence of water. Sodium peroxide is seldom used in medicine; an ointment, 20 per cent. in soft paraffin, has been used for acne.

**Sodium Phosphates**.—The three sodium phosphates used medicinally are the salts of orthophosphoric acid,  $\text{H}_3\text{PO}_4$ . They may be distinguished chemically from the salts of other phosphoric acids by the fact that they give a yellow precipitate with silver nitrate, and do not precipitate albumen. Sodium phosphate of the B.P. 1914 is the di-sodium hydrogen salt,  $\text{Na}_2\text{HPO}_4$ . It was first found in urine, and was formerly prepared from this source. It is now obtained from bone ash, from which calcium hydrogen phosphate is obtained by treatment with sulphuric acid. This salt is treated with sodium carbonate, the precipitated calcium carbonate is filtered off, and the solution evaporated. Sodium phosphate separates in large colourless monoclinic prisms with 12 molecules of water. It effloresces on exposure, the crystals acquiring an opaque covering of  $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$ ; the anhydrous form is obtained by heating the crystals at  $95^\circ$  to  $110^\circ$ . Sodium phosphate is insoluble in alcohol, but is soluble in water 1 in 7, giving an alkaline solution. It is administered as a saline cathartic, and, owing to its slight taste, is particularly suited to a patient having a delicate stomach. Sodium acid phosphate ( $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$ ) is prepared from this compound by adding phosphoric acid to the aqueous solution until the liquid ceases to give a precipitate with barium chloride, and allowing the solution to crystallise. It occurs as colourless and odourless, slightly deliquescent granular crystals. The B.P. 1914 requires a minimum content of 70 per cent.,  $\text{NaH}_2\text{PO}_4$ , the theoretical per-

centage in the crystalline salt being about 77. It is soluble in water about 1 in 1, giving an acid solution. Acid sodium phosphate is administered internally to render the urine acid, particularly when hexamine is being given as a urinary antiseptic, since this substance is hydrolysed in acid mediums with production of formaldehyde. It is given in large doses, up to 2 oz. per day, well diluted to dissolve calcium oxalate stones. It increases the energy output, and on this account is stated to have been administered as a stimulant to German workers during the Great War. Tribasic sodium phosphate,  $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$ , can be obtained by crystallising a solution of equimolecular proportions of sodium phosphate and sodium hydroxide. It is rarely used in medicine, but has been employed as a water softener.

**Sodium Potassium Tartrate**.—Sodium potassium tartrate,  $\text{C}_4\text{H}_4\text{O}_6\text{NaK} \cdot 4\text{H}_2\text{O}$ , known also as Rochelle salt, is prepared by neutralising acid potassium tartrate with sodium carbonate, and recrystallising. It is soluble in 1.5 parts of water, from which it separates its rhombic prisms; it is insoluble in alcohol. Rochelle salt is colourless and odourless, and possesses a cooling saline taste. On heating it melts at  $74^\circ \text{C}$ ., and at higher temperatures it is charred and decomposed, leaving finally a mixture of the carbonates of sodium and potassium. The pharmacopoeial method of assay is based on this. The crystals effloresce slightly in dry air. The aqueous solution is incompatible with acids, which give a precipitate of the sparingly soluble acid potassium tartrate. The salt is used principally as a mild saline purgative. Since it is not unpalatable it is well suited to delicate stomachs, and is administered chiefly in the form of seidlitz powders. Rochelle salt is sometimes known as Seignette's salt, from the name of its discoverer, a native of Rochelle, in 1672.

**Sodium Salicylate**,  $\text{C}_6\text{H}_4\text{OH} \cdot \text{COONa}$ , is obtainable in two grades, "natural" and "synthetic." The former is obtained by the hydrolysis of natural oil of wintergreen; the synthetic variety is manufactured from phenol (see Salicylic Acid). The latter can now be made quite free from the toxic impurities which artificial salicylates were formerly liable to contain, and the prejudice in favour of the "natural" compound is now practically obsolete. It occurs in the form of white, pearly flakes, or as a white amorphous powder; the "natural" salt usually has a pinkish tinge, and may have a faint odour of methyl salicylate. Sodium salicylate is readily soluble in water, 1 in 1; the concentrated solution deposits crystals of the hydrated salt,  $\text{NaC}_6\text{H}_4\text{O}_3 \cdot 6\text{H}_2\text{O}$ . On strongly heating, the salt is decomposed with evolution of phenol; the residue consists of sodium carbonate, and this decomposition is the basis of the method of assay of the B.P. 1914. Given internally it greatly increases the excretion of uric acid, and is the most extensively used salicylate for the treatment of acute rheumatism. Large doses are occasionally employed, more than half-an-ounce being administered during twenty-four hours; these large doses are best combined with large doses of sodium bicarbonate, but toxic symptoms usually occur, such as headache, erythema, noises in the ears, and unconsciousness. The drug has also an antipyretic action and is given to reduce temperature in influenza and other fevers. The aqueous solution gradually darkens in the presence of alkalis, but the change is very slow, with pure samples; it can be completely prevented by the addition of a trace of sodium thiosulphite or bisulphite. It is incompatible with acids and acid salts, and yields precipitates with most alkaloids. Iron salts give an intense purple colouration; with spt. æth. nit. a reddish-brown coloration is produced. Sterilised solutions are used in the injection treatment of varicose veins; a commonly used technique is to commence with 10 c.c. of a 20 per cent. solution, followed, after a week's interval, with a similar quantity of a 30 per cent. solution, and, if necessary, after another interval, a 40 per cent. solution.



# Roboleine

THE FOOD THAT BUILDS THE BODY

ROBOLEINE contains all essential vitamins :—BONE MARROW : Yellow marrow from the long bones to stimulate formation of red corpuscles and so strengthen the whole nervous system. Red marrow from the rib bones to stimulate formation of white corpuscles and increase resistance to disease. MALT, a natural laxative and source of energy. EGG YOLK, containing lecithin, the greatest nerve food known. LEMON JUICE, neutralised for building bone and preventing skin trouble.

ROBOLEINE corrects Metabolism and is recommended in cases of Malnutrition, Debility, Sleeplessness, Loss of Weight, and in all Tuberculous conditions ; also to Nursing and Expectant Mothers as a galactagogue, and as an adjunct in the Dieting of Infants, etc., etc.

ROBOLEINE is concentrated nourishment that revitalises the body and feeds the nerves. Easily assimilable, it is the best reconstructive tonic food available.

*Full information and terms on request*

OPPENHEIMER SON & CO., LIMITED

Handforth Laboratories, Clapham Road  
London, S.W.9





*Sell more  
chloride of lime  
this year*

Take advantage of the demand for chloride of lime which is bound to arise during the next few months.

The ordinary quality is supplied packed in  $\frac{1}{4}$ ,  $\frac{1}{2}$  and 1 lb. cartons and "Staboclor" a specially prepared quality in the form of a fine powder packed in lever lidded zinc canisters.

Write to-day to the nearest I.C.I. sales office for supplies.

## IMPERIAL CHEMICAL INDUSTRIES LTD.

Head Office:

IMPERIAL CHEMICAL HOUSE,  
LONDON, S.W.1.

Sales Offices at:

Belfast, Birmingham, Bradford,  
Bristol, Dublin, Gateshead-on-Tyne,  
Leeds, Leicester, Liverpool, London,  
Manchester.

Agents for Scotland:

Arthur & Hinshaw Limited.  
4, Blythswood Square, Glasgow.

C.114

### "Eagle" Brand Chemicals

B.P. PRECIPITATED  
SULPHUR

**HYPO**

**JOHN RILEY & SONS, Ltd.**  
Chemical and Copper Works  
**ACCRINGTON, LANCs.**  
P.O. Box No. 82  
Telegraphic Address: "Rileys, Hapton."  
Telephone: 2137 and 2138 Accrington.

B.P.  
EPSOM SALTS  
ACCUMULATOR  
ACID

**ENQUIRIES SOLICITED**

Specialists in the Manufacture  
—OF—

## TABLETS & CAPSULES



### Compressed Tablets

Full range.  
Variety of style.  
Purest Ingredients.  
Perfect finish.  
Plain, Chocolate  
or Sugar Coated.  
Customers'  
"Own Name."

## GELATINE CAPSULES

Machine made of perfect ovoid finish,  
completely and readily soluble.  
CONTENTS GUARANTEED PURE.

Customers' formulas in Tablets or Capsules accurately prepared.  
Enquiries solicited. Close prices to large buyers.

**Lofthouse & Saltmer, Ltd. Hull**



**JOHNSONS***of***HENDON***for*

**SYRUP. HYPOPHOSPH. CO.  
SALINE. MAGNES. CITRAS.  
GLYCERIN. THYMOL. CO.  
DISTILLED EXT. WITCH HAZEL**

**JOHNSON & SONS**

Manufacturing Chemists Ltd.

**HENDON - LONDON, N.W.4**

Manchester Office

12 Queen Street, Deansgate



# Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is  
warranted to contain upwards of

**99.9 PER CENT.**

of pure oxide; in fact, the  
impurities are not traceable.

**Thos. Hubbuck & Son, Ltd.**

ESTABLISHED 1765

**24 Lime Street, London, E.C.3**

**MANUFACTURERS OF WHITE LEAD, WHITE  
ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.**

*Australian Office : 34 Queen Street, Melbourne.*

*Sold by the following Wholesale Druggists  
in Boxes of 7 lb. and 14 lb. stamped by  
the Manufacturers; also in 1-lb. Boxes  
and 1-lb. Glass Bottles:*

Allen & Hanburys Ltd.	Hodgkinson, Prestons & King
Ayrton, Saunders & Co. Ltd.	Horner, L. A., & Sons
Bell, Jno., & Croyden	Huskisson, H. O., & Co.
Bell, John, Hills & Lucas, Ltd.	Lothhouse & Saltmer Ltd.
Bleasdale Ltd.	Mackay, Jno., & Co. Ltd.
Boots Pure Drug Co. Ltd.	May, Roberts & Co. Ltd.
British Drug Houses Ltd.	Oldfield, Pattinson & Co.
Burgoyne, Burbidges & Co.	Pinkerton, Gibson & Co., Ltd.
Butler & Crisp Ltd.	Potter & Clarke Ltd.
Cockburn & Co. Ltd.	Raines, Clark & Co. Ltd.
Dakin Brothers	Raines & Co.
Duncan, Flockhart & Co.	Rankin & Bortani
Evans, Gadd & Co. Ltd.	Silversides, R. B. G.
Evans Sons Lescher & Webb, Ltd.	Smith, T. & H. Ltd.
Ferris & Co.	Southall Bros. & Barclay Ltd.
Gale & Co.	Sumner, R., & Co.
Glasgow New Apothecaries Co.	Taylor, Jas. (Tringate) Ltd.
Goodall, Backhouse & Co.	Thompson, John, Ltd.
C.R. Harker, Stagg & Morgan Ltd.	Wilkinson & Simpson Ltd.
Harkness, Beaumont & Co. Ltd.	Willows, Francis, Butler & Thompson Ltd.
Hatriek, W. R., & Co.	Woolley, Jas., Sons, & Co. Ltd.
Hirst, Brooke & Hirst	Wright, Layman & Unwin, Ltd.
	Wyleys (Lim.)

Barry, E.J., New York	Muth Brothers & Co., Balti-
Finlay Dick & Co., New Orleans	more
E. Fougere & Co., 30/32 Beckman Street, New York	Palmer, L.T., Montreal
Chas. L. Huskisson, Inc., Platt Street, New York	S. B. Penick & Co. Inc. New York
Lehn & Fink, Inc., N. York	Roller & Shoemaker, Phila-
McKeesson & Robbins, Inc. New York	delphia
	Schiffelin & Co., Inc., New York
	Shoemaker & Busch, Phila-
	delphia



*The* **SPECIFIC OVARIAN HORMONE**  
which normally controls and activates the menstrual cycle

**SISTOMENSIN**

standardised physiologically

dysmenorrhœa, menorrhagia, hæmorrhages  
of puberty and menopause, hypoplasia of  
the uterus, disturbances subsequent to  
menopause or oöphorectomy.

Tablets

Ampoules

**PROKLIMAN**

(Sistomensin Compound)

Association of ovarian hormone with thera-  
peutic agents for the prompt relief of the  
most pronounced troubles of menopause:  
cardiovascular and nervous troubles, hot  
flushes, headache, etc.

Tablets

*Hydrosoluble Ovarian Substance***AGOMENSIN**

causes hyperæmia of the female genital organs. Stimulates the function  
of the genital glands and menstruation.

Functional amenorrhœa, oligomenorrhœa, sterility, vomiting  
during pregnancy, etc.

Tablets

Ampoules

THE CLAYTON ANILINE CO Ltd, 40 SOUTHWARK STREET, LONDON, S.E.1  
Telephones: Hop. 6954, 6955      Pharmaceutical Department      Telegrams: Cibadyes Boroh London

**ACID  
SALICYLIC****Warrington Chemical & Drug Co. Ltd.**

Paddington, nr. Warrington

Telegrams: "Salicin, Warrington."

**SODA  
SALICYLATE**

**BURKETT, SHARP & CO., LTD.**  
*DRUGS*      8 HARP LANE      *CHEMICALS*  
LONDON, E.C.3

**GLAUBER  
SALTS, B.P.**

Pea Crystals and Feathery.

**LIQ. FERRI  
PERCHLOR.  
FORT. B.P.****EPSOM  
SALTS, B.P.**Needle Crystals, Medium, and  
Exsiccated.

**HARRIS, HART & CO. LTD.** Offices & Works: Moss House Chemical  
Works, Blackley, MANCHESTER.

Tel. No.: Cheetham Hill 853. ENQUIRIES INVITED. Tel. Address: "Harp, Manchester."



# Boots Products

**M**EMBERS of the Medical Profession are constantly kept in touch with the Fine Chemical and Medicinal products manufactured by Boots The Chemists. They are extensively used in Hospitals, Clinics and Institutions, in addition to individual prescribing.

## DOCTORS CONSTANTLY USE—

ACRIFLAVINE (BOOTS). BISMOSTAB.  
CHLORAMINE-T (BOOTS). CHLOROFORM  
(BOOTS). CHOLUMBRIN. EPHEDRINE  
(BOOTS). GONOCOCCUS VACCINES  
(BOOTS). HEXYL-RESORCINOL (BOOTS).  
INSULIN (BOOTS). LIVER EXTRACT  
(BOOTS). MEDICINAL GLUCOSE (BOOTS).  
ORARSAN. PITUITARY EXTRACT (BOOTS).  
QUINANIL (BOOTS). REINFORCED COD-  
LIVER OIL (BOOTS). STABILARSAN.  
SULPHOSTAB. THIOSTAB. VIULES.

*Address all enquiries to:—*

**WHOLESALE & EXPORT DEPT.**

**BOOTS PURE DRUG  
COMPANY LIMITED**

Manufacturing Chemists and Makers of Fine Chemicals  
**NOTTINGHAM — ENGLAND**

Telephone : Nottingham 45501.

Telegrams : "Drug," Nottingham.



# ALKALOIDS

## Fine Chemicals Opium Derivatives

ALOIN	DIAMORPHINE	LEPTANDRIN
ATROPINE	EMP. CANTH. LIQ.	MORPHINE
BISMUTH SALTS	EPHEDRINE	OPIUM
CAFFEINE	ERGOTIN	PODOPHYLLIN RESIN
CANTHARIDIN	ESERINE	SALICIN
CAPSICIN	ETHYLMORPHINE	SANTONIN
CHLOROFORM	GINGERIN	SCAMMONY RESIN
CHRYSAROBIN	HYOSCYAMINE	STRYCHNINE
CODEINE	JALAP RESIN	VERATRINE

*Goods covered by Dangerous Drugs Acts offered subject to all regulations.*

### T. & H. SMITH L<sup>TD</sup>

BLANDFIELD WORKS : 25 CHRISTOPHER STREET : 32 & 34 VIRGINIA STREET  
EDINBURGH. : LONDON, E.C.2. : GLASGOW

ESTABLISHED 1827



*The Name  
that stands  
for Quality*

## GLYCEROPHOSPHATES "MERCK"

### H. R. NAPP LIMITED,

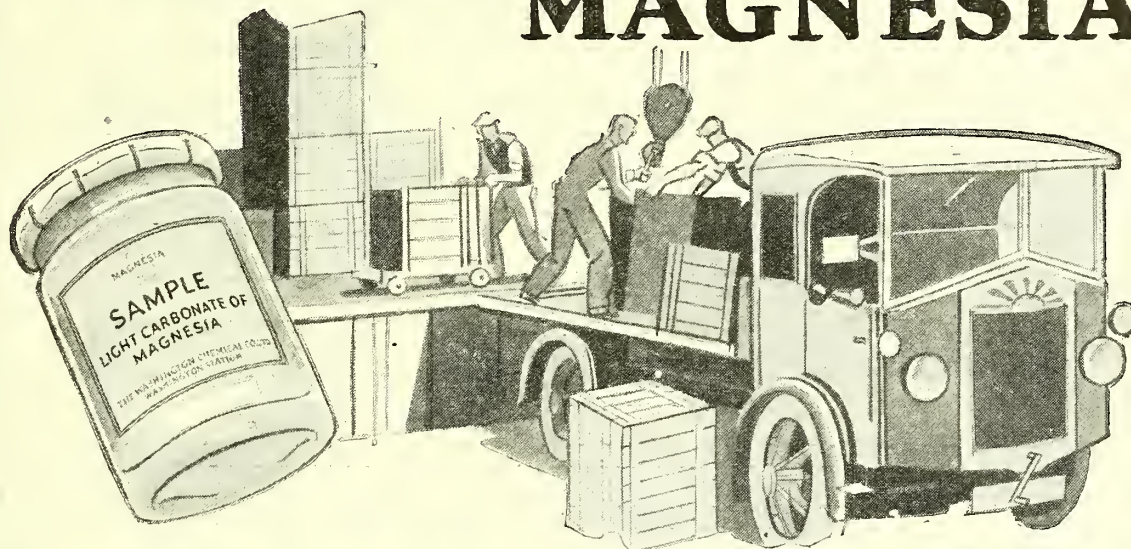
Telegrams :  
"Nappchem London"

3 & 4, Clements Inn,  
LONDON, W.C.2

Telephone :  
Holborn 1444 (2 lines)



# PATTINSONS MAGNESIA



## Quality in Quantity

PATTINSONS Magnesia is now entering upon the 90th year of its production by the Washington Chemical Company, its originators and only manufacturers.

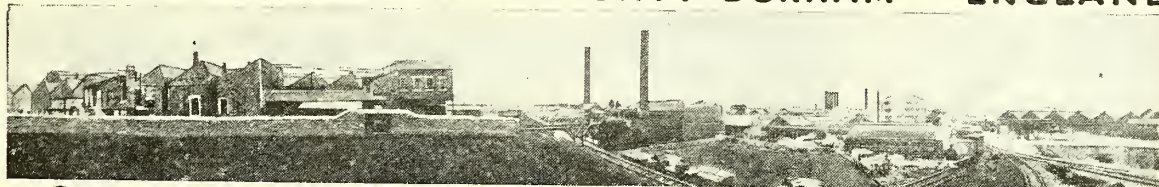
The experience gained over this length of time enables the manufacturer to ensure that the same high quality of the bottled sample is present consistently throughout the largest shipment or lorry-load.



Pattinsons Magnesia in its various forms is unrivalled for purity, lightness, texture and freedom from moisture. For industrial and pharmaceutical purposes, Pattinsons Magnesia can always be relied upon for chemical purity and physical uniformity.

*Write for sample to the  
sole manufacturers.*

**THE WASHINGTON CHEMICAL CO. LTD.**  
WASHINGTON STATION • COUNTY DURHAM • ENGLAND



*The home of the original PATTINSON PROCESS  
for the production of the finest grades of magnesia*



# EVANS, GADD & CO., LTD.

*Wholesale & Manufacturing Chemists*

## BRISTOL and EXETER.

### LARGE STOCKS.

DRUGS,  
GALENICALS,  
PATENT  
MEDICINES,

### QUICK DESPATCH.

*PROPRIETARY ARTICLES, SURGICAL DRESSINGS,  
VETERINARY MEDICINES. ETC.*



....."Fine 'Tosse' Products" .....

**NITROSCLERAN  
BISMOGENOL  
EKZEBROL**

EXTENSIVELY ADVERTISED TO THE MEDICAL PROFESSION

Importers: **BOXALL SMITH & CO.**  
**163a Strand, London, W.C.2**

## DUTCH DROPS

The Original HAARLEM OIL

Also in Capsule Form.

*We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain, and South America.*

**BROOK, PARKER & CO., LTD., BRADFORD.**

*Class Villy*



## CACHETS "FINOT"

(White or Coloured)

With inscriptions in any desired

tint; also Plain or Embossed.

"A distinction all their own."—C. & D.

"Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia and other powders.

**COOPER SON & CO. LTD., 80 Gloucester Road, SOUTH KENSINGTON.**

In 17 Sizes to fit the various types of Cachet Machines.

# QUININE

QUINIDINE  
CINCHONINE  
CINCHONIDINE

Sugar-coated Quinine Tablets and Pills.

**BANDOENG  
JAVA**

## BANDOENG QUININE FACTORIES

Telegrams: "Kininefabr.ek Bandoeng."

Samples, prices and particulars on application.

and

# SALTS

Gelatine-Coated Oval Pills.

**AMSTERDAM**  
De Wittenkade 49-50.

Telegrams: "Semadmy Amsterdam."



## SOUTH AFRICA

*Those who desire new, or increase of old business in this flourishing and growing Dominion should treat with*

### LENNON LIMITED

WHOLESALE AND RETAIL

### CHEMISTS AND DRUGGISTS

Druggists' Sundriesmen.  
Dealers in Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery and Assay and Mining Requisites. Contractors to Hospitals and Public Institutions.

### AGENCIES UNDERTAKEN

*London Office:*

12-14 LAFONE ST., LONDON, S.E.1

Phone: HOP 5594.

"Multum in Parvo."

## "VAPOFORM" Disinfectant

Regd.

For disinfection of  
Rooms,  
Confined Spaces, &c.

for HOME  
and HOSPITAL

Has no injurious effects  
whatever on Furniture,  
Utensils, &c.

Small size, capable of disinfecting  
1000 to 2000 cubic ft., 8/6 per doz.

Large size, capable of disinfecting  
3000 to 6000 cubic ft., 13/- per doz.

*Sole Proprietors—*

**HARKNESS, BEAUMONT & CO., LTD.**

Wholesale Chemists, EDINBURGH.

## GLYCERINE

The chemically pure glycerine supplied by us is guaranteed to comply with all the requirements of the Food and Drugs Act and the British Pharmacopoeia.

**PRECIPITATED CHALK.**

**COD LIVER OIL.**

**CASTOR OIL.**

**DECOLORISING CARBON.**

**PERSULPHATES:** Ammonium, Potassium & Sodium.

Finest and lightest,  
also heavy grades.

(Finest Lofoten.)

**OLIVE OIL.**

**HALLER & PHILLIPS, LTD.**

(Established as GEO.  
HALLER & CO. in 1878)

Mildmay Chambers, 69 Bishopsgate, London, E.C.2.  
Phones: London Wall 4456/7. Tel. Add.: "Haloid, Stock, London."

# F Z O

BRAND

# ZINC OXIDE

*The Purest  
Pharmaceutical*

*Zinc Oxide on the market  
the standard of purity being*

# 99.99%

*A Genuine British Product*

FULL PARTICULARS AND  
COMPETITIVE PRICES  
FROM THE MANUFACTURERS.

## Felling Zinc Oxide Co.

Felling-on-Tyne

Newcastle-on-Tyne

# F Z O

BRAND



**"SUPERLIN"**

(Registered Trade Mark)

RETAIL PRICE  
1/3  
PER 10 OZ.  
BOTTLEATTRACTIVE  
WINDOW  
DISPLAYS  
AND BONUSTHE  
CLEAN  
DISINFECTANT  
FLUID

ALSO SUPPLIED IN DRUMS

By taking advantage  
of our best terms your  
first dozen will give you**100% !  
PROFIT !***Particulars and Samples, etc.,  
from the Manufacturers,***Wrigley,  
Paterson  
and Co., Ltd.**  
(C. Dept.)**ISLEWORTH  
MIDDLESEX**FOR **SUNBURN & INSECT BITES****BRAND  
LOTION**You know the danger that may  
arise from Sunscorch and Insect  
Bites. In every case you should  
recommend Staniform Lotion; it  
immediately relieves irritation and  
counteracts the poison. Staniform  
is non-irritant and **DOES NOT  
STAIN THE SKIN.**Staniform Preparations—Ointment,  
Dusting Powder, Lotion—are ob-  
tainable from your usual Wholesaler.  
On P.A.T.A. terms**STANIFORM IS  
NATIONALLY ADVERTISED**Showcards, Window Displays,  
Literature, etc., from  
**STANIFORM, LTD.**  
Carnwath Rd., London, S.W.6**'Petrolagar'**  
(Regd Trade Mark)**FREE OFFER.**—You may have one 8-oz. bottle free with one dozen 8-oz.  
size, any assortment, or one 16-oz. bottle free with one dozen 16-oz. size, any  
assortment (not a mixed dozen of large and small).*Obtain the best terms by ordering 'Petrolagar'  
Brand Emulsion in dozen lots from your wholesaler.***PETROLAGAR LABORATORIES LTD., BRAYDON ROAD, LONDON, N.**  
Phone: CLISSOLD 7572.



# Entirely New!

A Scientific &  
simple method  
of application

in cases of—

**CATARRH,  
HAY-FEVER,  
COLDS, etc.**



## “EPHEDROL”

Registered



TRADE MARK

Cleaner, handier, and as efficacious as any atomiser-spray, dropper, nasal douche or other inhalant. Can be carried in the pocket without fear of leakage. Its use involves no unpleasant smell on linen, clothes, etc.

As good as the Iodine “Pen,” “Ephedrol” is endorsed by leading laryngologists and is selling well wherever introduced.

Retail 2s. 6d. Trade 20s. doz. Bonus bottle with each dozen. Send for sample bottle 1s. 9d. post free.

Introduced by

**CLAY & ABRAHAM, LTD., 87 Bold St., Liverpool**  
or from any wholesale house.

Agents for Scotland: T. & H. SMITH, LTD.,

32-34, Virginia Street, GLASGOW

Agents for London: R. H. LINTON, 14, New Bridge Street, E.C.4

## INCREASED ADVERTISING OF



HAS LED TO

## INCREASED SALES

*Are You Getting Your Share  
of this Business?*

**W**E plan to gradually increase our advertising during the next twelve months. New customers for CICFA are bound to come to you. Are you prepared with adequate stocks?

For convenience in keeping CICFA handy, we are sending out a proportion of each order in a convenient, easily-handled little container, holding a dozen tubes of either size.

Order now, from your usual wholesaler or direct from us, so as to be ready to meet the demand.

### TRADE PRICE LIST.

ALL GOODS CARRIAGE PAID.

These Goods are to be sold to the public on'y at face value.

For quantities of not less than £10 :

1/3 Size .. .. .	11/-
3/- .. .. .	28/-

For quantities of not less than £5 :

1/3 Size .. .. .	11/9
3/- .. .. .	29/6

Less 2½% for cash with order, or nett on 10th of month following month of purchase.

For quantities under £5 :

1/3 Size .. .. .	12/6
3/- .. .. .	31/-

Net cash with order.

### CAPSULOIDS (1909) LTD.

8a Duke Street, Manchester Square,  
LONDON, W.1.

**VINT'S**  
**Menthols**

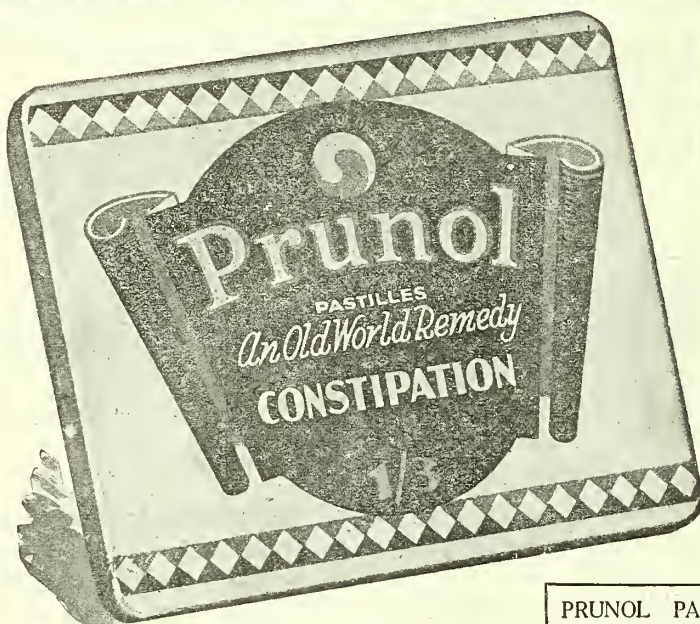
Feather Brand

*Satisfy Everybody  
They don't break*

Retail 6<sup>3</sup>/<sub>4</sub> 1/- & 1/6  
Direct, or from any wholesaler

EVANS SONS LESCHER & WEBB LTD





Wires: "PRUNOL, WESTRAND, LONDON."  
'Phone: REGENT 1920.

**PRUNOL PRODUCTS, LTD.,**  
21 Cockspur St., London, S.W.1

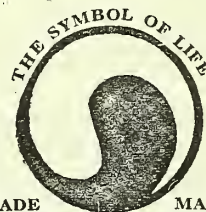
## PRUNOL PASTILLES

IN **1/3** Usual  
TINS discounts

NATURE'S FRUIT LAXATIVE FOR  
CHILDREN AND ADULTS.  
SAFE AND SIMPLE.

PRUNOL PRUNE JELLY IS  
SELLING WELL... LOOK  
TO YOUR STOCKS—FOR  
THE PUBLIC IS COMING!  
SO AVOID DISAPPOINT-  
ING YOUR CUSTOMERS  
BY ORDERING NOW!

PRUNOL PASTILLES IN  
AN ATTRACTIVE COM-  
PACT TIN, EASY WHEN  
TRAVELLING. PRUNOL  
PASTILLES—A WAY THAT  
APPEALS TO THOUSANDS  
WHO DON'T LIKE JELLY



## Everybody's using it now!

Snowfire Cream has gone from success to success. Thousands of women to-day rely on this pure, non-greasy vanishing cream as a skin-protector and beautifier. Its name and reputation, backed by consistent advertising, has made Snowfire the leader among popular priced face creams.

## Snowfire CREAM

In Opal Jars and  
Aluminium hand-  
bag containers at  
1/3 and 3d. respec-  
tively (retail).

Manufactured by  
P. W. Hampshire & Co.  
(1927), Ltd.  
Sunnydale Works, Derby.



## Dr. BENGUÉ'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUÉ'S ETHYL CHLORIDE.  
Dr. BENGUÉ'S DRAGÉES.—EUPURGO.  
PULMO (BAILLY).—FORXOL.—OPOBYL.  
ANESTILE.—NARCOTILE.—HEMOSTYL.  
LIPIODOL.—MUTHANOL.—ARHEMAPECTYL.  
ENTERO ANTIGENS.—STAPHYLOTHANOL.  
NEOPANCARPINE. RICARD'S CACHETS.

BENGUÉ & CO., LTD., MFG. CHEMISTS,  
24 FITZROY STREET, LONDON, W.1.

## Iglodine

THE SAFE AND PURE ANTISEPTIC,

And its Kindred Preparations, are Dependable,  
Quick-selling and Profitable to the Chemist.

THEY SATISFY BUYERS AND BRING REPEAT ORDERS!

IGLODINE, the Ideal Home Healer, is Highly Recommended  
by the Medical Faculty, and Retails at 10½d., 1/6 and 3/- per  
Bottle. IGLODINE Specialities include—EMBROCATION,  
TOILET SOAP, OINTMENT, CREAM, THROAT TABLETS,  
SUPPOSITORIES, SHAVING STICK, PASTILLES, NASAL  
DOUCHE, SALICYLATED: Also FIRST-AID OUTFITS.

P.A.T.A. Photo-Litho Showcards. Window Display Scheme.  
Particulars and Prices from

THE IGLODINE Co., Ltd., NEWCASTLE-ON-TYNE.



# Normo-Gastrine

(Specially prepared Silicate  
of Aluminium)

**T**HE successful new remedy for Indigestion and Dyspepsia, Gastric Ulcers, Gastritis, Gastro-Intestinal Flatulence, etc. Relieves in twenty minutes and effects a permanent cure in the most severe cases.

NORMO-GASTRINE is equal to Bismuth Salts, Magnesium and Sodium Bicarbonate with the added advantage that it does not render the Stomach contents alkaline or evolve Carbonic Acid.

Its astringent and antiseptic properties are produced only when acted upon by Hydrochloric Acid of a greater strength than 0.15% and thus, while an excess of acidity in the Stomach is neutralised, the amount necessary for Peptic digestion is undisturbed. A solution of 0.28% Hydrochloric Acid will be reduced to 0.15%, the normal amount present in the gastric contents of the Stomach, in twenty minutes.

When acted upon by Hydrochloric Acid, NORMO-GASTRINE forms a semi-colloidal precipitate which forms a protective film, both healing and absorbent, over the inflamed or ulcerated surfaces of the Stomach.

Presented in gr. 10 tablets, tasteless and odourless.

Boxes of 50  
**12/- per doz.**  
Less 25%

P.A.T.A.  
**1/6 and 2/9**

Boxes of 100  
**20/9 per doz.**  
Less 25%

In showouters of 1 dozen with effective 3-panelled window screen. Posters for out-door display may be had if required and members of the medical profession circularised on receipt of names and addresses.

NORMO-GASTRINE will secure for you the appreciation of satisfied customers, the sure basis of increased business.

*Testimonials in our possession are convincing proof that if applicable to any medicine, the word "infallible" might well be used to describe this product.*



**BURGOYNE, BURBIDGES & Co. LTD.**  
**LONDON, E.6**      =      =      =      =      **Est. 1741**



BRITISH



THROUGHOUT

# Energen

Regd. Trade Mark

## STARCH-REDUCED BREAD

AND

## CEREAL HEALTH FOODS

ARE STANDARD IN THE DIET-ETIC TREATMENT OF DIABETES, AND THE ONLY FOODS WHICH BEAR THE WEIGHT OF PROTEIN, CARBOHYDRATE, FAT AND CALORIE VALUE ON EACH PACKAGE.

Widely prescribed by the Medical Profession in the Dietary for Weight Reduction, treatment of Blood Pressure, all Special Diets and during Convalescence.

The constancy of their protein and carbohydrate content enables the physician to prescribe and adjust the dietary as desired.

ENERGEN PRODUCTS ARE OBTAINABLE FROM ALL WHOLESALERS, AND OWING TO THEIR GENERAL USE, CHEMISTS ARE ABLE TO DEVELOP A PROFITABLE TRADE.

Diet Cards for Diabetes, Obesity, "Light Diets," and the Energen-Hollywood 18-day weight reduction diet (approved by Medical Authority), and Advertising Material, Show Cards, etc., sent free on request.

Panel Patients obtain all Energen Products at reduced rates with full profit to the chemist.

Particulars on application.

# Energen

FOODS Co., Ltd.  
WILLESSEN, LONDON, ENGLAND.

# ROBUVAL

*Elixir Strontii  
Bromid. et Valerian  
Deodorat.*

AN EXTREMELY PALATABLE  
CALMATIVE & NERVE SEDATIVE

8 OZ.  
BOTTLES 3/6

*Prepared and  
extensively advertised by*

**ROBERTS & CO.**

Pharmaciens,

76, NEW BOND ST.,  
LONDON, W.1,

and at PARIS.



## DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts.

PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

The Body **NUMOL** Building Food

A PROFITABLE LINE TO SELL. AN EASY LINE TO HANDLE. A GOOD LINE TO WIN NEW CUSTOM

Prices and advertising material from—

**NUMOL, LTD., Newcastle-on-Tyne**

## FRENCH WINE VINEGAR

*Quality and Purity Guaranteed.*

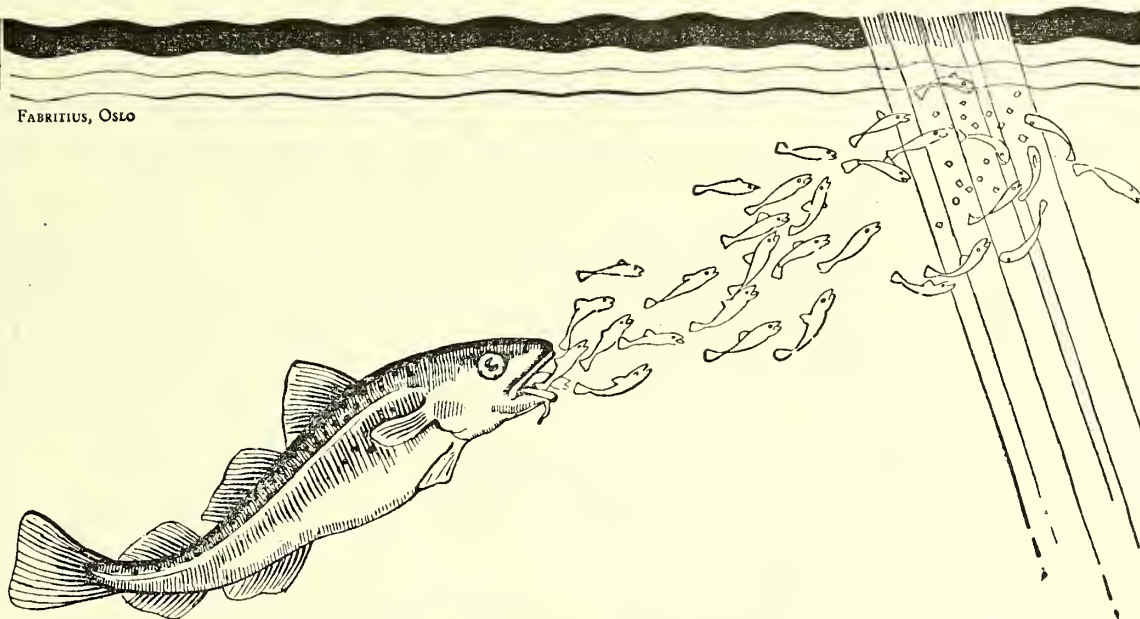
IN CASK FOR MANUFACTURERS.  
IN BOTTLE FOR RETAIL.

SAMPLES AND PRICES ON APPLICATION.

**JULES DUVAL & CO., LTD.**  
3 and 4 WATER LANE, E.C.3.



FABRIIUS, OSLO



## One Tablespoonful of Norwegian Cod Liver Oil daily is sufficient to prevent Goitre.

The human body needs a certain minimum quantity of iodine every day. If this be lacking in one's normal diet, then goitre — that dread disease — may ensue.

But here, too, cod liver oil proves a sovereign remedy. Dr. Gulbrand Lunde of Stavanger, Norway, has proved that a shortage of iodine can be made good by a daily dose of cod liver oil. He says:

"Investigations have shown that Norwegian cod liver oil contains iodine in the proportion of about 15 milligrammes of iodine per kilogramme of cod liver oil. This iodine is present in organic combination. It has been shown that five hundredths of a milligramme of iodine per day is a sufficient quantity to cover the iodine requirements in even the worst goitre districts. This means that a daily dose of only  $3\frac{1}{2}$  grammes will be sufficient to abolish any deficiency in iodine, and thus prevent endemic goitre".

Norwegian cod liver oil is also one of the most useful allies against the infections of ordinary colds, bronchitis, tuberculosis etc.

Growth-promoting and anti-rachitic.



# NORWEGIAN COD LIVER OIL

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Bergen, Norway.





## The Town of the Crooked Steeple and the Cardboard Box Industry

Goods well packed are half sold, and easier selling means more sales. We have expert box designers who specialise in designing boxes which are salesmen as well as packages. If therefore you have any packing troubles send them to CHESTERFIELD where our 90 years experience is at your disposal.

**ROBINSON & SONS, LTD., WHEATBRIDGE MILLS, CHESTERFIELD.**  
MANUFACTURERS OF ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

900 workers are employed in the above factories.

### A SPLENDID SELLER!

Dr. Lalor's Phosphodyne is not a new line; it has been held in high esteem in all parts of the world for more than sixty years.

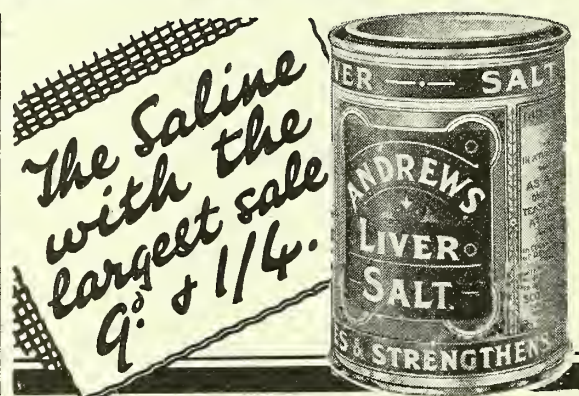
The finest remedy for **DEBILITY, NERVOUS EXHAUSTION, LOSS OF APPETITE, MALARIA, MENTAL and PHYSICAL LASSITUDE, NEURALGIA, SLEEPLESSNESS.**



Dr. LALOR'S  
**Phosphodyne**

**HOW ARE YOUR STOCKS?**

Dr. LALOR'S PHOSPHODYNE LABORATORY  
71 Parliament Hill Passage, Hampstead, N.W.



## HEWLETT'S LYSOL

Of guaranteed strength and miscible with water

"Possesses a higher germicidal value than carbolic acid and probably nearly three times as high."—  
*The Lancet.*

SUPPLIED BEARING YOUR OWN NAME AND ADDRESS ON ORDERS OF 3 DOZEN BOTTLES.

Net Price: In 4-oz. bottles, 5/- per doz.; 8-oz. ditto, 9/- per doz.; 16-oz. ditto, 15/6 per doz.; 20-oz. ditto, 20/- per doz.; 32-oz. ditto, 27/- per doz. Special Prices for Bulk. Showcards Free.

Specially Prepared by

**C. J. HEWLETT & SON, LTD.,**

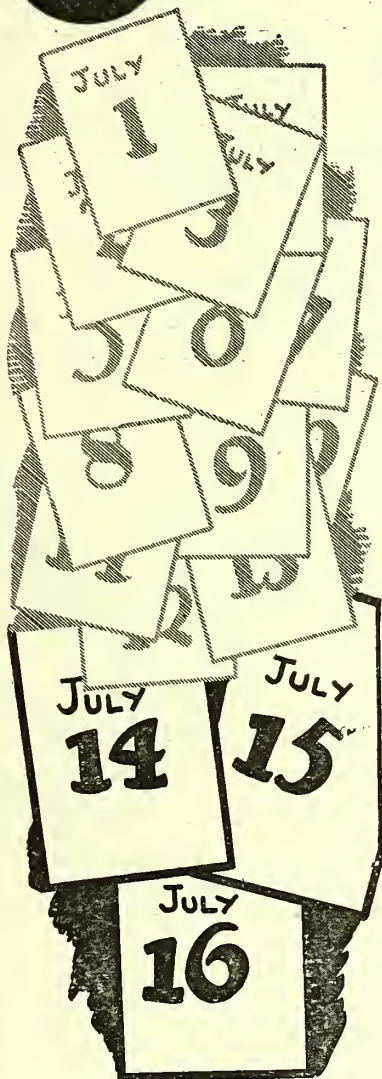
35-42 Charlotte Street, and 83-85 Curtain Road, LONDON, E.C.2



---

---

# 3 DAYS LEFT



for the  
**10% BONUS**  
on  
**Dr. Cassell's  
Tablets**

Wednesday next is the latest date orders can be accepted under our special **BONUS OFFER** of an **ADDITIONAL 10% DISCOUNT** on **Dr. Cassell's Tablets**

COMBINED ORDERS. The above Bonus Offer is allowed on Dr. CASSELL'S TABLETS only, and must be included in the usual combined £5 or £10 orders for BEECHAM-VENO preparations.

## SEND YOUR ORDER TO=DAY

either through your wholesaler or direct from the  
**BEECHAM-VENO CENTRAL DISTRIBUTING DEPOT**  
**CHESTER ROAD, MANCHESTER**

---

---





FAIRY DYES

30 SHADES

## Have you got A FAIRY DYES' WINDOW CURTAIN?

Already throughout the country retail shops are displaying these window curtains to their great advantage. Not merely does it help them to sell Fairy Dyes and so add to their profit, it also forms a definite magnet of attraction and makes the passer-by stop and look in the window.

This is as it should be as Fairy Dyes want to help all round and while incidentally selling

more Fairy Dyes they want to see their customers prosper.

This is a helping hand—clasp it by sending to-day for a Fairy Dyes' window curtain.

It can be trimmed to fit your window and you will always be glad you took advantage of this offer. It comes to you free and post free, and is a gift you will really appreciate.

*Fairy Dyes*, LTD.

WELL ROAD,

GLASGOW

London Depot: 292 UPPER STREET, ISLINGTON, N.1.

USE

*Sidac*

INSOLUBLE

**TRANSPARENT PAPER**

WHITE, COLOURED, EMBOSSED, PRINTED

*The Ideal Wrapping for Perfumery  
Soaps, Toilet Goods, &c.*

EITHER COLOURLESS OR COLOURED TO HARMONISE  
WITH GOODS. BAGS OF ALL SIZES AND SHAPES TO ORDER

Sole  
Agents

*Samples and Competitive Price from*

**W. S. MUIR & Co., Ltd.**

**83 Upper Thames St., London, E.C.4.**

Phones: City 6164, 6165, 0667.



**PETROLEUM JELLIES**WHITE, LEMON, YELLOW, AMBER.  
RED, GREEN.**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE. etc.

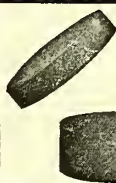
**LIQUID PARAFFIN**COLOURLESS, TASTELESS, ODOURLESS.  
ALL SPECIFIC GRAVITIES.

B.P. AND TECHNICAL QUALITIES

*Wholesale Trade only.***STERNS LTD.**

ROYAL LONDON HOUSE, FINSBURY SQUARE, LONDON, ENGLAND

Telegrams: "CENTUMVIR, TELEW, LONDON."

**Chemists' Fittings***When you want Shop Fittings it will pay you to send to***GEORGE COOK***The Chemists' Working Shopfitter,  
27 Macclesfield Street, City Road, LONDON, E.C.1  
30 years' experience. Rough Sketches free.*Ask for "PAZO"  
**PILL BOXES**The most convenient and  
secure Pill Box obtainable.**NO LOOSE BOTTOMS***Samples and Prices on application.*

The "PAZO" CO., Oldbury

**WAGNER'S DRY BOTTLE CAPS**  
BEST IN QUALITY & APPEARANCE*Self-Fixing***R.V. WAGNER**

33, Brooke St., London, E.C.1.

*Tel. No. Holborn 5090***WHITE OILS**HALF WHITE and  
**COLOURED OILS**

for Brilliantines, &amp;c.

UNITED WHARF,  
SILVERTOWN, E.16*Telephones:  
Albert Dock 2741-2***REDDGRAVE SITORA LTD.**



# Petroleum Jelly

White, Yellow, Amber,  
& Ruby Red, for all  
Pharmaceutical and  
Veterinary purposes

## MEADE-KING, ROBINSON & CO., LTD.

22 Water Street  
LIVERPOOL.

523 Salisbury Hse  
Finsbury Circus  
LONDON.

Deansgate Arcade  
MANCHESTER.

Martineau Street  
BIRMINGHAM.

Wellington  
Chambers  
LEEDS.

**PETROLEUM JELLY**  
("SALVO PETROLIA")  
BRAND

THE PERFECTION OF PETROLEUM JELLY  
MANUFACTURED SOLELY BY

**THE DEE OIL CO. LD.**

**D 23 & 24 EXCHANGE BUILDINGS  
LIVERPOOL**

TELEPHONE: CENTRAL 3859      TELEGRAMS: "CESTRIAN"

LONDON OFFICE  
11 POULTRY, CHEAPSIDE, E.C.2.      PHONE: CITY 8455

PACKED IN BARRELS, KECS OR  
SMALLER PACKAGES IF DESIRED

OTHER GRADES OF  
PETROLEUM JELLIES, WHITE BASES ETC.  
WHITE OILS, B.P. & Technical Qualities

SAMPLES & PRICES ON APPLICATION

**OLEUM DEELINÆ (DEE OIL)**  
THE UNFAILING CURE FOR ECZEMA

### Experientia Docet

Our experience of the Chemist's requirements in Paraffinum Liq. B.P. extending over a period of nearly 30 years, is at your service. We shall be glad to forward samples and quotations upon receipt of your enquiry.

We can also supply Olive Oils in bulk at keen prices.

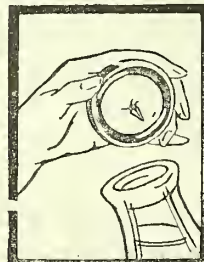
G. E. THURLEY & SON  
UNITY WORKS

PHONE: MARYLAND 4686

LATIMER ROAD E.7

### "PRESTOP"

Milk COVER & Cardboard disc REMOVER



**6d.**

FITS ALL SIZES.

Manufacturers:  
**T. WEBSTER  
& CO., LTD.**  
Diamond House,  
Middle Lane,  
Hornsey, London, N.8





**PARAFFINUM  
LIQUIDUM B.P.**  
All Specific Gravities Guaranteed  
to remain bright at 0°C

**B.P. WHITE & YELLOW  
PETROLEUM JELLIES**

**WHITE & HALF  
WHITE OILS**

**W.B.DICK  
& CO., LTD.**


Suppliers to  
the WHOLESALE TRADE only

**26 GROSVENOR GARDENS  
LONDON - S.W.1.**


Telephone:  
Sloane 3461 (7 lines)

Telegrams:  
"Dicotto, Sowest, London."

AND AT  
GLASGOW LIVERPOOL  
NEWCASTLE CARDIFF  
AND NEW YORK



By APPOINTMENT  
TO HIS MAJESTY  
THE KING.



REGISTERED FOR OUR  
WELL-KNOWN BRANDS  
OF CERESINE WAXES.

# CERESINE WAX

WHITE BLEACHED CARNAUBA WAX    VARIOUS GRADES AND RESIDUE  
 BEESWAX    WHITE, YELLOW AND COMPOSITION    PARAFFIN WAX    ALL MELTING POINTS  
 OZOKERITE WAX    ALL GRADES

---

**POTH, HILLE & CO., LTD.,**

6 Lloyd's Avenue, London, E.C.3.    Works at Stratford, E.

LANOLINE B.P. & U.S.P.  
ANHYDROUS AND  
HYDROUS.

**WHITE &  
HALF WHITE OILS.  
B.P. PETROLEUM JELLIES.**

**The PHARMACEUTICAL LANOLINE CO.**

CARNWATH ROAD, FULHAM, LONDON, S.W.6

Telephone: Fulham 1194.    Telegrams: Batapo, Phone, London.



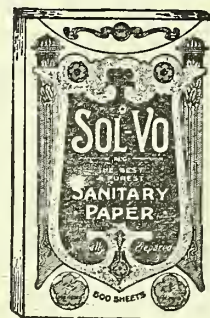


# SOL-VO

REGD

THE BEST &amp; PUREST

## SANITARY PAPER



Three dozen Rolls ... per doz. 7/- net.  
Half gross " " " 6/6 "  
One gross " " " 6/- "  
Five gross " " " 5/3 "

Three dozen Packets ... per doz. 10/- net.  
Half gross " " " 9/6 "  
One gross " " " 9/- "  
Five gross " " " 8/3 "

### The M. G. TOILET ROLL

SUPERIOR QUALITY.

Three dozen Rolls ... per doz. 4/9 net.  
Half gross " " " 4/6 "

One gross Rolls ... per doz. 4/3 net.  
Five gross " " " 4/- "

CARRIAGE PAID.

## FORD, SHAPLAND & CO. Ltd.

LABELS & SHOWCARDS PRINTERS CARTONS & ENVELOPES,  
GT. TURNSTILE, HIGH HOLBORN, LONDON, W.C.1.

TELEGRAMS: FORSHAPCO., HOLB. LONDON.

TELEPHONES: HOLBORN 4695/7.

## WILSON

*Surgical*  
Industrial &  
Household

"The temper of  
finest Steel"

## GLOVES

SUPPLIED TO THE  
TRADE EXCLUSIVELY



*R. Blaker*  
11, CANUTE RD.  
SOUTHAMPTON

We supply no one but Chemists and Druggists with  
"SAFEGUARD" Rubber Goods  
They are of Highest Quality and Packed Hygienically.

Samples and Prices on application.

BURGE, WARREN & RIDGLEY, LTD.

91/92 GREAT SAFFRON HILL, E.C.1

Phone: Holborn 0050. Telegrams: Pessaries, Smith, London.



# "SURCO"

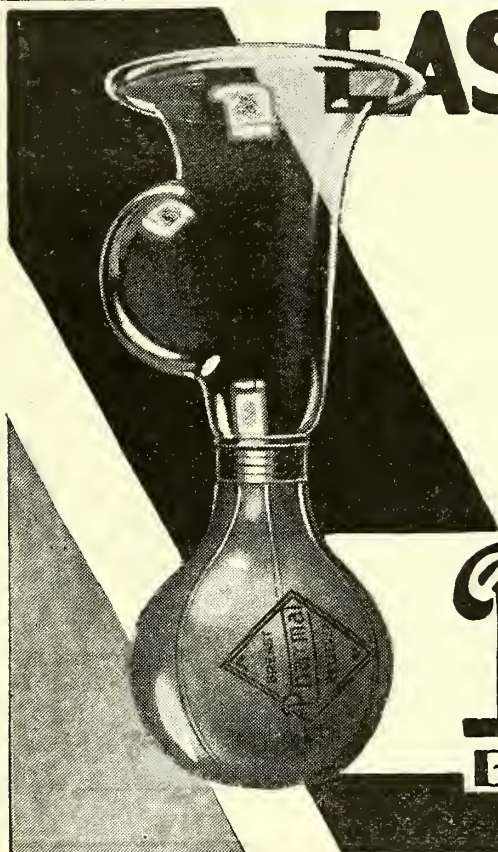
*Always Reliable*

WRITE FOR CATALOGUE

ELASTIC HOSIERY  
BODY BELTS  
TRUSSES  
SUNDRIES

Surgical Hosiery Co., Ltd. Russell Street, Nottingham





P.P.47/30

# EASY 'EXPRESS' ACTION

The Pharmal Breast Reliever is made of specially annealed glass and the finest para rubber. Powerful suction can be obtained without fear of breakage, while the glass receiver is designed to allow of easy and perfect cleaning. The "Pharmal" is undoubtedly the safest, most sanitary and hygienic breast reliever on the market.

## PRICES:

Wholesale - - - 28/- per doz. (Boxed complete)  
Minimum Retail Selling Price 3/6 each (Boxed complete)

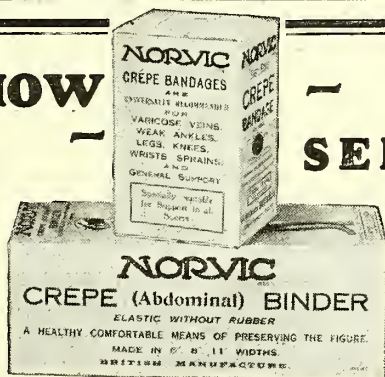
# Pharmal

## BREAST RELIEVER

Buy Leyland and Pharmal Products  
THE LEYLAND & BIRMINGHAM RUBBER Co. Ltd.  
Grand Buildings, Trafalgar Square, London, W.C.2  
Factories—Leyland, Glasgow, Mitcham, Preston, Dublin

## SHOW

## SELL



## NORVIC

### BLUE CARTON CRÊPE BANDAGES & BINDERS

A small display of these highly recommended, well-known lines will bring you a profitable return. Fully guaranteed—70% wool quality.

**Full 33 $\frac{1}{3}$ % profit P.A.T.A.**

Stocked by all the leading wholesalers.  
Attractive showcards free on request.

Sole Manufacturers:—GROUT & CO., LTD.,  
35, Wood Street - - - London, E.C.2.

**Best sellers**  
The public is asking  
for **ZEAL**  
**CLINICAL**  
**THERMOMETERS**  
because they are:-  
**GUARANTEED TO**  
**STAY ACCURATE**  
**CONSISTENTLY**  
**ADVERTISED**

*Made by*  
**ZEAL**  
*—the name the public knows.*

**G. H. ZEAL, LTD.,**  
75 & 77, St. John St., London, E.C.1.



# RUBBER SPONGES

## "Victor" RUBBER SPONGES

Write for particulars, or order your requirements from your regular wholesaler. We also specialise in RUBBER SPONGE FLOORING, MATS, SHEETS, HOT WATER BOTTLES, HOSPITAL SHEETINGS, ETC.

OUR "VICTOR" Rubber Sponge has for many years been acknowledged to be the ideal sponge for toilet use.

Its special feature is the fine texture and smooth surface, a result achieved by special selection of the best quality durable rubber, and our own methods of technical control and manufacture.

SIX SIZES, OVAL AND ROUND.

BRITISH THROUGHOUT



FOR LONG SERVICE

The **IOCO RUBBER & WATERPROOFING CO. LTD**  
Netherton Works, Anniesland, Glasgow, W. 3.

**Here's a good seller—  
still being advertised**



The Izal Toilet Roll is still being extensively advertised in the *Daily Mail*, *Daily Sketch*, and all the chief women's magazines, weeklies and good class periodicals.

British made, scientifically medicated with Izal, and made of superior white sulphite paper, the Izal Toilet Roll is a big seller. Stock up at once.



Fixed price  
to public

**IZAL**  
Medicated  
**TOILET ROLL**

Sample roll and terms sent on application to:  
NEWTON, CHAMBERS & COMPANY, Ltd.,  
Thornccliffe, Nr. Sheffield.

Manufacturers of Izal Products.

Z47a.

crêpe toilet paper  
de luxe  
**geisha**



Very strong, dainty, soluble. Perfectly perforated. Fits standard holder. In fine wooden cases containing 144 rolls.

Write for Sample Roll and Prices.

**5d per roll**  
**h. c. stern**  
12, farringdon avenue, e.c.4  
phone: central 3140



We Are Still Executing Orders  
for the

**LOCARNO**

MEDICATED  
TOILET  
ROLL

**WHY !!!**

BECAUSE IT IS ONLY OBTAINABLE  
FROM THE CHEMIST

**COSTS**  
**3<sup>d</sup>.**  
**SELLS at**  
**6<sup>d</sup>.**

CONTAINS  
650 SHEETS  
PURE WHITE  
SULPHITE  
PAPER.  
12 oz. ROLLS.

FREE  
DELIVERY.  
PACKED IN  
CARTONS.  
SAMPLE  
ROLL FREE.

*Sole Manufacturers :*

**J. RUTHERFORD & Co.**

LIMITED,

VICTORIA PAPER MILLS,  
VICTORIA ROAD,  
HOLLOWAY, LONDON, N.7

Contractors to H.M. Government.

*De Luxe*  
**ART. SILK  
BANDAGES**

*"Crêpsyl"* (WOVEN CRÊPE)  
*Dainty and ideal for  
understocking wear.*

BANDAGES—widths 2in. to 4in. 1/8 to 3/4 ea.  
BINDER—widths 4in. to 15in. 3/4 to 12/6 ea.

*Beware of imitations and copies.*

There is only one Crêpsyl Bandage, and  
only one Silwick. Passing off is illegal.

*"Silwick"* (WOVEN STOCKINETTE)  
*Ideal for Varicose Veins.*  
Bandages 2/- to 4/- ea.  
Binders 4/- to 15/- ea.

ALL BINDERS REINFORCED TO PREVENT  
SAGGING. SAMPLE CUTTINGS FROM MAKERS.

**H. W. LAKE LTD.**  
6 & 7 C.D. Redcross Street  
LONDON, E.C.1

**Hinders  
ZIX-PADS**



THE  
"INSTANT RELIEF"  
PADS

which show over

**38% PROFIT**

with

**BONUS**

supported by

**NATIONAL PRESS  
ADVERTISING**

Carriage PAID on all  
Orders

HINDERS ZIX-PADS 7 1/2  
retail—per carton

SPECIAL WINDOW  
FEATURES

Full particulars from

**Hinders Limited**

CONTENTS

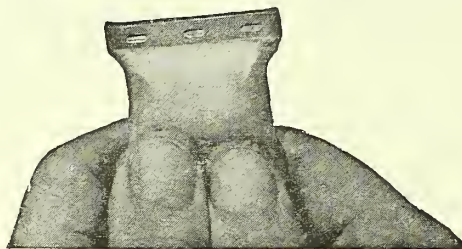
8 pads for CORNS or

4 pads for BUNIONS or

4 pads for CALLOUSES

174/192 ESTCOURT ROAD,  
LONDON - - - S.W.6





## COLLAPSIBLE TUBE CLIPS

Provide a sure and permanent seal and give an improved finished appearance to tubes. Made of incorrodible metal in sizes to fit tubes from  $\frac{1}{2}$ -inch to 2 inches in diameter.

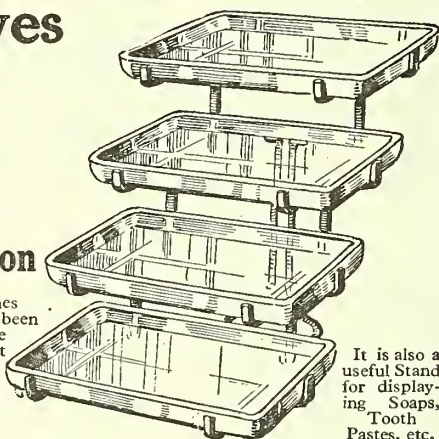
*Write for Prices and for Catalogue of COLTON FILLING, CLOSING AND CLIPPING MACHINES to the Sole Agents—*

### GRIFFIN & TATLOCK, LTD.

KEMBLE STREET, KINGSWAY, LONDON, W.C.2

## Solves the Tooth Brush Question

Tooth Brushes have always been a difficult line to serve, but with the aid of this Stand customers can serve themselves.



It is also a useful Stand for displaying Soaps, Tooth Pastes, etc.

No. CDSF 2851—Very attractive **COUNTER DISPLAY STAND**. Constructed of mild steel finished Silver colour and complete with four clear glass trays size  $11\frac{1}{2} \times 7 \times 1$  in. Each tray is slightly sloped rendering the goods easy to see and select from. The overall height is  $15\frac{1}{2}$  in., width 12 in., back to front 15 in.

22/6 each complete.

*Send for a copy of our new full 48-page List  
No. CD 1180, free on request.*

### DUDLEY & COMPANY LIMITED

451 Holloway Road, London, N.7

City Showrooms : 65-66, Fove Street, E.C.

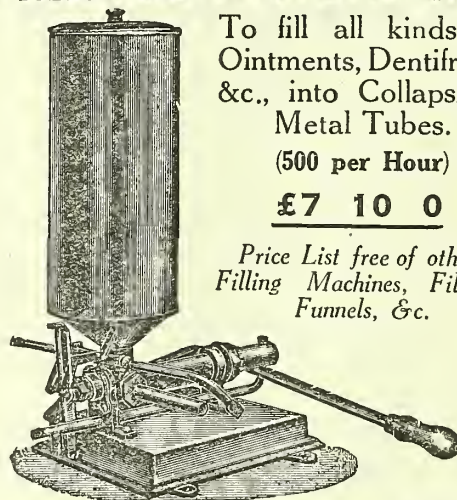
## COLLAPSIBLE TUBE FILLING MACHINES

To fill all kinds of Ointments, Dentifrice, &c., into Collapsible Metal Tubes.

(500 per Hour)

**£7 10 0**

*Price List free of other  
Filling Machines, Filters,  
Funnels, &c.*



### JOHN P. JACKSON & CO. Ltd.

(DEPT. C.D.)

ENGINEERS AND COPPERSMITHS,

18 Earle Street - and - 12/16 Rigby Street

LIVERPOOL





# KORK-N-SEAL

(REGISTERED TRADE MARK.)

*The perfect Seal and Reseal for Glass  
and Tin Containers. British made through-  
out at our own works, Charlton, S.E.7.*

**KORK-N-SEAL LTD.**

Manufacturers of Aluminium and Decorated  
Tin Closures of every description.

**40-43 NORFOLK STREET, STRAND, LONDON, W.C.2.**

Telephone: Temple Bar 6680.

Telegrams: Korkanseal, Estrand, London.



# PRECIPITATED CHALK

**LIGHTEST—MEDIUM—DENSE.**  
And All Other Grades To Suit Every Purpose.  
**CHEMICALS FOR ALL INDUSTRIES.**

'Phone: Central 4613. Tel. Add.: "Levermore, Phone, London."  
**A. LEVERMORE & CO. LTD.** ABC Codes  
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

## PURE ORANGE WINE

### A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopoeia. (Wholesale only.)  
Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

## HONEY

**CHOICE ENGLISH HONEY.** 1 lb. Glass Jars, 11/- doz., 1 lb., 20/- doz.  
**FINEST CALIFORNIAN WHITE CLOVER** " " 7/6 " " 12/6 "  
Ditto in patent containers " " 2 oz. 2/8, 4 oz. 4/3, 8 oz. 6/9, 16 oz. 11/- "  
**NATURAL LIQUID HONEY**, Tupelo, not clarified, natural non-setting Nectar, in Glass Jars,  
1 lb. 8/6, 1 lb. 14/- doz. Also French, New Zealand and Canadian Honey

**C. W. HARPER, 254 STOCKPORT ROAD, MANCHESTER**

## FRED<sup>K</sup>. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.3.

TEL.: ROYAL 5094.

**GUMS, ARABIC and TRAGACANTH as Imported or  
Finely Powdered. :: SHELLACS ALL GRADES.**

## KUTE

**RUPTURE APPLIANCE**

PATENT NO. 246,658.

**NO OTHER SO SIMPLE AND EFFECTIVE.**

**Wm. ALFRED JONES, Ltd.** West India House, Maryland  
Street, LIVERPOOL.

## "REGULOL" The Perfectly Stable Emulsion of

Liquid Paraffin with Agar-Agar, and well recommended by the  
Medical Profession as a Remedy for **CONSTIPATION**. Two  
varieties, plain and compound: the latter containing 4 grains of  
Ptenolphthalein per ounce.

500 Handbills with 1 doz. **COSTS 1/4. SELLS 2/6**  
**CUXSON, GERRARD & CO., Ltd., Oldbury, Birmingham**

A Practical New Book

## BUYING AND SELLING A BUSINESS

By **A. H. COSWAY**, Author of "Law for the House Owner."

Gives full explanations of the legal procedure and shows how  
to protect your financial and business interests. All business  
owners and prospective owners should get it. 3/6 net  
(by post 3/9). Of a bookseller or

**PITMAN'S, Parker Street, Kingsway, W.C.2**

TELL YOUR CUSTOMERS ABOUT  
YOUR BUSINESS WITH

## "P.B.C." ADVERTISING TOY BALLOONS

The most effective, compelling & economical  
way of persuading the public to buy your goods.

Samples and Prices from:  
**P. B. COW & Co.** 46-47 Cheapside, London, E.C.2.



## SHADEINE

**FOR TINTING GREY HAIR**

This popular article is largely advertised  
and stocked by all Wholesale Houses.

Trial size 8d. per doz. ... 6/-  
1/4 size, per doz. ... 12/-  
2/6 size, per doz. ... 24/-  
3/9 size, per doz. ... 36/-

**The SHADEINE CO., 58 Westbourne Grove, London, W.2**

## British Optical Institute

LIMITED  
(COLLEGE OF OPTICS)

**COMPLETE TRAINING for the SIGHT-TESTING OPTICIAN**

The attention of all prospective candidates is drawn to  
the new regulations of the F.B.O.A. Examination,  
which come into force on January 1st, 1931. Those  
unable to satisfy some of the new conditions should  
enter for at least one section of the examination  
this year.

For full particulars apply to the Principal:  
**Dr. MAX COQUE, B.Sc.**  
Fern Lodge, 20a Grove Road, S.W.9.  
Telephone: Reliance 3677.

## PHOSPHATE OF SODA, Pure

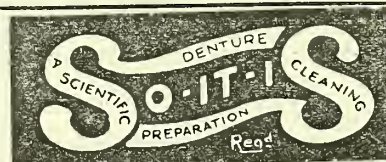
For Food Purposes

**ASK FOR SAMPLE AND PRICES.**

**PERRY & HOPE, LTD.**

Forth and Clyde Chemical Works, NITSHILL.

Telephone: Giffnock 414 (2 lines). Telegrams: "Perryops, Nitshill."

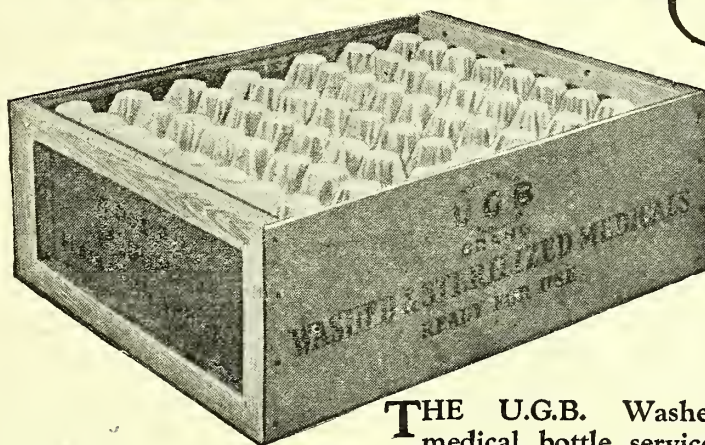


**YOUR  
Customers  
with  
Artificial  
Dentures  
Will Readily  
BUY IT.**

**THOS. CHRISTY & CO., 4/12 Old Swan Lane, London, E.C.4**



# The U.G.B. MEDICAL BOTTLE Service



Photograph of actual package of Cork-mouth bottles with cover removed.

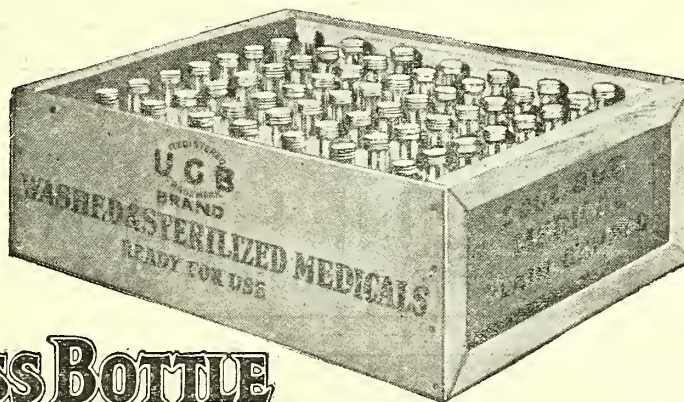
## PRICES REDUCED

*Apply to your  
Wholesale  
Distributor.*

**T**HE U.G.B. Washed and Sterilized medical bottle service—introduced early in 1929—has proved to be an unqualified success, so much so that we were recently compelled to increase the capacity of our washing and sterilizing plant.

The screw cap service is in particular demand, and owing to the preference of users for a cap in a neutral colour, we have now standardized in fitting the bottle with an attractive RUSTLESS WHITE ENAMELLED CAP.

Photograph of actual package of Screw-cap bottles with cover removed.



# UNITED GLASS BOTTLE

MANUFACTURERS • LIMITED

The largest manufacturers of Glass Bottles in Europe.

Head Offices:

40/43, NORFOLK ST., STRAND, LONDON, W.C.2.

Telephone: Temple Bar 6680.

Telegrams: "Unglaboman," Estrand, London.



# COX'S LANOLINE CREAM

IS A LANOLINE IN LIQUID FORM



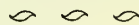
IT has gained popularity wherever sold, and can be recommended for all seasons where a good high class preparation is demanded



Gold on Black Label

**1/6** size 10/- doz.

**10<sup>1</sup>/<sub>2</sub>d.** size 6/- doz.



Packed as your own Proprietary with reserved label for quantities of 6 dozen

SEND FOR SAMPLE

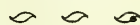
## COX'S SOLID LILAC PERFUME

The Breath of Springtime

in Dainty, engraved boxes.

1 doz. in show outer 7/-

Retail 1/-



ARE YOU SHOWING

### LE JEUNE HAIR TINT?

SEVEN NATURAL SHADES. PERMANENT. SAFE. EASY TO USE

The Chemist's own  
HAIR DYE

1/6 size 10/6 doz.

2/6 size 18/- doz.

**ARTHUR H. COX & CO. LTD**  
Manufacturing Chemists  
BRIGHTON ENGLAND



# THE CHEMIST AND DRUGGIST SUPPLEMENT

28 ESSEX ST.  
LONDON, W.C.2

JULY 12, 1930

*This Supplement is inserted in every copy of The Chemist & Druggist.*

## THE CHEMIST AND DRUGGIST SUPPLEMENT

### REVISED ADVERTISEMENT TARIFF.

**Businesses Wanted and for Disposal, Premises to Let, Goods for Sale and Agencies**—6/- for 50 words; every additional 10 words or less, 6d.

**SITUATIONS OPEN**—6/- for 40 words; every additional 10 words or less, 6d.

**SITUATIONS WANTED**—2/- for 18 words; every additional 10 words or less, 6d.

**Legal Notices, Tenders, Auctions**, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

**Miscellaneous (Wholesalers') Section** for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

**EXCHANGE COLUMN** (for Retailers, etc.)—**Twopence** per word, minimum 2/-.

### BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

### PAYMENT.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

**THE CHEMIST AND DRUGGIST, 28 Essex Street, Strand, LONDON, W.C.2.**

Telephone Central 6565 (8 lines).

Telegrams: "Chemicus, Estrand London."

## CLOSING FOR PRESS.

MUST REACH US  
NOT LATER THAN

## FIRST POST THURSDAY MORNING.

ALL ADVERTISEMENTS INTENDED FOR  
INSERTION IN THIS SUPPLEMENT

## CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation

1.—**PURLEY (Near)**.—General Retail and Dispensing Business, with N.H.I. and Kodak Agency; established over 40 years; returns exceed £40 per week at good prices; double-fronted shop, fairly fitted and amply stocked; very good living accommodation, just redecorated; new lease at reasonable rental; valuation terms entertained.

2.—**ESSEX SUBURB**.—General Retail and Dispensing Business, with N.H.I. and Kodak Agency; established about 17 years; returns last year exceeded £3,600; double-fronted shop, well fitted and stocked; living accommodation; price to include freehold £3,200, or offer.

3.—**PICCADILLY**.—Good-class Retail Business, with Kodak Agency; returns last year approximately £3,100, at very good prices; scope for increase; lease has 19 years unexpired; in order to effect an immediate sale £1,250, or near offer, would be accepted.

4.—**LONDON, E.C.**—City Business, situate at entrance to busy station; quick Cash Retail; practically no Dispensing; established 11 years; returns last year £3,256; audited books; double-fronted shop, fitted in oak and heavily stocked; held on lease; price £2,800, or offer; ill health cause of sale.

5.—**LONDON, S.W.** (Suburban).—Branch Business for disposal in good position; returns last year, under management, £2,047; the business has increased £300 per annum for the last two years; net profit £530; rent £120; sub-let £93; lease has 18 years unexpired; price £1,500; £500 can remain.

6.—**WEMBLEY**.—General Retail Business, with Kodak Agency; established by vendor about seven years ago; returns, 1929, £1,470; double-fronted shop, in main road, very well fitted and stocked; convenient living accommodation, recently redecorated; net rent £85; held on lease; price to be arranged.

7.—**CENTRAL LONDON**.—General Retail and Dispensing Business, with Kodak Agency; returns last year exceeded £3,000; present rate £100 weekly; gross profit 40 per cent.; double-fronted shop, well fitted in mahogany and fully stocked; rent £200; lease 18 years; terms, valuation of stock and fixtures, plus an agreed sum for goodwill, about £2,000 in all; this is a genuine business and worth attention.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—**LANCS.**—Good-class General Retail Business with Branch for disposal; private Dispensing and Kodak Agency; old established; combined returns £3,200; Post Office attached to main shop; net profit £700; estimated value of stock and fixtures £1,500; very good living accommodation at main shop; held on leases at reasonable rentals; price £2,000, or near offer.

9.—**SOUTH COAST (Health Resort)**.—Cash Retail and Dispensing Business; returns last year £3,255, with net profit £940; large double-fronted shop with five windows; well fitted and stocked; eleven-roomed house, with greenhouse and private entrance; rent £250; new lease; price £3,000.

10.—**DORSET**.—Cash Drug Store, with Post Office and Tobacconists; returns from Drug Store £1,500 per annum; combined net profit £450; living accommodation; new lease will be granted; price asked £1,500; part payment entertained.

11.—**LINCS.**—General Retail and Dispensing Business, with N.H.I.; returns £2,500 per annum apart from N.H.I., which is fairly heavy; run under management; approximate value of stock £750; very fine position; long lease; price £1,650.

12.—**CORNWALL**.—Retail and Dispensing Business, with Kodak Agency; very old established; returns last year £2,160; net profit approximately £500; scope for increase; stock and fixtures estimated to be worth £1,150; double-fronted shop; held on lease; price about £1,400.

13.—**MIDLANDS**.—General Retail and Dispensing Business, with Kodak Agency and large D. & P. connection; returns last year £3,802, under management; very good profits; double-fronted shop, well fitted and stocked; reasonable rent; lease has 16 years unexpired; price £3,000.

14.—**SUSSEX COAST**.—Good-class Retail and Dispensing Business, established many years; returns exceed £2,850, with gross profit approximately £1,200; double-fronted shop, well fitted and stocked; extremely good house, which can be sub-let to cover the whole of rent if so desired; long lease; price to be arranged; this business offers scope for increase under more modern management.

## Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make **SPECIAL TERMS** for such service.

**ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4**



Tele.: WALSALL 3774.

# STOCKS

---

INTELLIGENTLY AND EXPEDITIOUSLY TAKEN  
AND THE DISSECTED RESULT FURNISHED

---

MODERATE FEES AND EXPENSES  
MINIMISED BY GEOGRAPHICAL CONVENIENCE

---

## ALTERNATIVELY

IF YOU TAKE YOUR OWN STOCK  
IT CAN BE

# PRICED

FOR A NEGLIGIBLE FEE

FOR ANY SERVICE IN THE CONDUCT OF BUSINESS  
ALSO FOR THOSE WHO WISH TO BUY OR SELL A BUSINESS

WRITE

*Ernest J. George*

3 ST. PAUL'S CLOSE  
WALSALL



## The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer & Valuation Department  
Head Offices—Kimberley House, Holborn Viaduct, London,  
E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Valuer.

'Phone: City 1251-2-3

### BUSINESSES FOR DISPOSAL

- 1.—LONDON, S.W.—Old-established Chemist's Business, held on lease 8 years at £56 p.a.; let off £91 p.a.; returns average £17/20, under management; premises consist of double-fronted shop with two rooms behind; price for lease and goodwill, £150; fixtures, etc., £150; stock at valuation, approximately £350. Further particulars on application. (43)
- 2.—LONDON, N.7.—Old-established Optical Business, combining recently established Pharmacy, held on lease with 14 years to run at a rental of £250 p.a., of which £135 is let on lease; returns £28 per week; very large shop, dispensary and sight-testing room, situate in busy main road; no opposition for some distance. Further particulars on application. (42)
- 3.—WILTS.—Recently established Business for quick disposal; lease will be granted; rental £58 p.a.; rates £18 10s.; top flat could be let off at £26 p.a.; returns £15 per week; separate entrance to house; main shopping thoroughfare; excellent living accommodation; property for sale; specially recommended for young energetic man. (46)
- 4.—LIVERPOOL.—General Retail Business, with N.H.I.; established many years; turnover for year ended March 31 £1,340, plus N.H.I. £380; with capable supervision this could be considerably increased; tenancy yearly at rental of £75 per annum, plus rates; price asked £500 plus stock at valuation (approximately £475). (40)
- 5.—LONDON, S.W.—Recently-established Retail Dispensing Business premises on 15 years' lease at £150 per annum, of which part is sub-let at £104 per annum; returns 1929, £1,932, all cash; Kodak and U.C.A.L. Agencies; price for quick sale £1,100 all at, or £750, plus s.a.v. (approximately £425). (41)
- 6.—LINCS.—Established Dispensing and Retail Business for quick Disposal in important town; 17½ years' lease to run at £200 per annum; returns average £50 per week; very large shop, situate in main thoroughfare; specially recommended.
- 7.—SOUTHSEA (Near).—Recently established Dispensing Business; lease will be granted at rental of £120 per annum; rates £14 6s.; returns £20 per week; no price asked for good-will; double-fronted shop; good living accommodation; new premises. (47)

## BERDOE & FISH

CHEMISTS' VALUERS AND TRANSFER AGENTS,

41 Argyle Square, KING'S CROSS, W.C.1

(One minute from St. Pancras and King's Cross Stations.)

- 1.—HOME COUNTY (30 Miles Out).—Good-class Light Family Retail and Dispensing Business, pleasantly situated; returns about £3,000; net profit £750; audited accounts; lock-up pharmacy, fully stocked; price £2,000; recommended.
- 2.—BOURNEMOUTH.—Light Retail Dispensing and Photographic Business; returns over £1,600 at good profits; fast growing residential district; plenty of scope; modern pharmacy, with house; price £350, plus valuation; all over £1,000 can remain.
- 3.—HAMPSHIRE (Market Town).—Good-class Family Retail and Dispensing Business; returns average £1,850; audited accounts; modern pharmacy; good position; fully stocked; good house; price £1,250, or close offer; worth attention.
- 4.—SOUTH COAST (Death Vacancy).—Well-established Chemist's Business in rapidly growing centre; returns over £1,700 under manager; plenty of scope; handsome modern shop with house; price £1,250.
- 5.—YORKS (W. Riding).—Old-established Light Cash Retail, in busy town; returns £2,135 last year; net profit £535; books audited; same hands 38 years; retiring; price £850, little above valuation.
- 6.—ESSEX COAST.—Unopposed Light Retail, with Kodak Agency; returns £700; qualified Chemist could do £1,000; low rent; good house, garden and garage; stock worth £300; price £400.
- 7.—WEST MIDDLESEX.—Profitable Cash Retail, with large Panel, and increasing; present returns £45 to £50 weekly; no near opposition; densely-populated district; modern pharmacy, with house over; price £1,500, or offer.
- 8.—LONDON (Essex Suburb).—Light Cash Retail, with Photo and N.H.I.; returns over £3,600; audited accounts; no immediate opposition; good stock; price with freehold £3,200; recommended.
- 9.—ILFORD (Near).—Light Cash Retail Dispensing, with Kodak Agency; returns £1,075; net profit £330; good shop and house; main road position; stock worth £350; price £630, or close offer.
- 10.—WIMBLEDON.—Light Suburban Retail; neglected through ill-health; present returns £15 weekly; can be doubled; main road position; held on lease at profit rental; price £650.  
Estab. 1870. Telephone: Terminus 3574.

## BANK LOANS to CHEMISTS

### When Buying A Business or Partnership Consult Us —



We are not Transfer Agents, but we arrange GUARANTEED LOANS with the LEADING BANKS for qualified Chemists who require Capital.

The Banks charge 1% over Bank Rate (minimum 5%).

Repayment of Loans can be spread over 5, 6, or 7 years. (Note: Income Tax Abatement may be obtained on the Interest paid, thus bringing the present Net Interest Rate down to 4% per annum approx.)

NO PERSONAL SURETIES or GUARANTORS are required. We arrange the necessary guarantees by insurance with a FIRST CLASS INSURANCE COMPANY for whom we act as SOLE AGENTS for this business.

All Enquiries receive the immediate attention of the Principals.

## AUCHTERLONIE, WILLIAMS & CO., LTD.

Mortgage and Insurance Brokers,

14 HENRIETTA STREET, STRAND, LONDON, W.C.2. Telephone: Temple Bar 2831-2 (two lines).



# THAT SHOP YOU WANT is READY!

Attractive Freehold Business Premises, with flats above, close to newly developed residential area where shops are urgently needed in

IMPORTANT  
MAIN ROAD  
POSITION  
AT

## KINGSBURY

*Here is your Great Opportunity.*

Write Now for full Details & Particulars of

### LIBERAL ADVANCES

from

### C. W. B. SIMMONDS, LTD.

BUILDERS & CONTRACTORS

75 SHOOT-UP-HILL, CRICKLEWOOD, N.W.2

## BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

**BLACKPOOL** (corner position on main road).—Lock-up Shop, well fitted and stocked; Kodak Agency; big D. & P. connection; increasing returns with good prospects of further increase; rent £65, with 5 years' lease; returns last year £1,150; busiest season till October just starting; good reasons for disposal; price for quick sale, £900. 174/19, Office of this Paper.

**BLYTH, NORTHUMBERLAND**.—For Sale as a going concern, the Business of Manufacturing Chemists and Wholesale Druggists, carried on by Macsons, Limited; stock and fixtures at cost, property at valuation. Apply to the Managing Director at Union Street, Blyth, Northumberland.

**BUCKS**.—Well-fitted Freehold Pharmacy in rapidly developing district 23 miles London; established 16 months; now doing £20 per week, increasing; Kodak Agency; well stocked; no opposition; double-fronted shop, 5 rooms and garden; price, including freehold, £1,900; full particulars on application; can be viewed by appointment. 163/53, Office of this Paper.

**HARROGATE**.—Good-class lock-up Pharmacy for quick disposal, with stock, fixtures and property; Kodak Agency and Wine and Spirit Licence; corner shop; turnover £40-£50 weekly. Apply 173/3, Office of this Paper.

**LONDON, W.** (in best residential district).—High-class Pharmacy for Sale; unique position; mainly dispensing; no Photography or N.H.I.; profits approach £2,500 per annum, constantly increasing; long lease at £20 per annum; modern fitted shop with back entrance and comfortable residence over; banker's reference essential; principals only. Apply 173/175, Office of this Paper.

**LONDON, S.W.**—General Retail; scope for increase all round; returns £1,200; net profit £340; rent £65 per annum; sub-let £78; vendor, who is obliged to leave business through ill-health, will accept low price for quick sale; splendid chance for man with small capital; particulars at interview. 175/3, Office of this Paper.

## CHARLES C. MARSDEN

Chemists' Valuer, Transfer Agent & Stocktaker,  
29 Oakwell Crescent, Oakwood, Leeds.

**HARROGATE**.—Old estab. Drug Stores, fitted as a chemist, good clean, saleable stock, av. returns about £20, rent £35. Sell at valuation about £600, owner retiring. Opening for chemist.  
**LEEDS**.—Pharmacy on busy main road, industrial, good N.H.I., net profit about £6 weekly. Splendid chance for a young man. Owner bought larger business. Price £295.

**LONDON, W.** (main road, unique position).—Handsomely fitted Chemist Shop and upper part of six rooms; price £500, to include fittings, fixtures and lease; stock at valuation. Full particulars will be sent to genuine applicants only from The Jackson Estates, Gloucester Gate, London, N.W.1.

**LONDON, S.W.**—Retail Business for Sale; exceptional bargain to young, energetic person; ill-health reason for sale immediate; populous and growing district; main road; opposite railway station; reasonable price asked. 173/31, Office of this Paper.

**LONDON, N.**—General Retail and Dispensing; lock-up; gross profit £400; rent £60; scope for all-round increase; good site for Optics; price £350, fixtures, goodwill, etc.; stock about £200; held on lease; genuine inquirers with cash. 174/3, Office of this Paper.

**LONDON, S.E.**—Business for Sale in rapidly-growing district; turnover £1,000 at good prices; Panel 4,000 per year; unlimited scope for increase in all departments owing to extensive building operations in progress; good house, with private and back entrance; long lease arranged; only genuine inquirers with cash entertained. 157/22, Office of this Paper.

**MANCHESTER**.—High-class suburban Branch Shop for Sale; long lease; price to be mutually arranged; no agents. 172/25, Office of this Paper.

**MANCHESTER** (principal thoroughfare).—Old-established Chemist's Business; average returns last 5 years £2,600; 6,000 N.H.I. scripts per annum; Wine and Spirit Licence. Apply 172/33, Office of this Paper.

**NEAR BOLTON**.—Chemist's Business for sale; unrestricted Wine Licence; Kodak Agency; turnover £1,490; profits gross 40 per cent.; rent £40 per annum; rates £18; no opposition; owner having bought larger business wishes to effect quick sale; reasonable price. Write 173/181, Office of this Paper.

**NEAR LIVERPOOL**.—Double-fronted Shop; main road; takings average £27 per week; N.H.I. extra; house part separate entrance; further particulars on application; price £750. Apply "Wal," c/o John Thompsons, Ltd., Duke Street, Liverpool.

**NORTH LONDON** (main road, busy shopping centre).—Dispensing and Photographic; good lease; low rent; living accommodation 5 rooms; average net profits £9 10s. per week; price £850, all at, including stock value approximately £500. Preston & Partners, Valuers, 29 Ludgate Hill, E.C.

**NORTH-WEST COAST SEASIDE RESORT**.—Recently established Pharmacy, with Kodak; double-fronted corner premises, rapidly growing district; opportunity for qualified for N.H.I. and Optics; owner must relinquish for family and private reasons; new fittings and stock; price, approximately £550; property (new) for Sale; mortgage can be arranged; modern house, 9 rooms, suitable visitors or let off; only those with necessary capital need apply. 154/37, Office of this Paper.

**S.E. LONDON** (main road).—Well-fitted Drug Store, with 5 rooms, kitchen, etc.; fine opportunity for qualified man; long lease at £60, rising £70 per annum; reduced price £360, all at. Stocker & Roberts, 3 Railway Approach, Lewisham.

**SOUTH COAST**.—Popular summer and winter resort; near sea in the midst of hotels and boarding houses; recently opened; fine prospects; excellent opportunity for Prescriber; low rent; long lease; lock-up shop; well fitted and stocked; selling cheap, £800, or would consider part payment terms; owner leaving pharmacy; small furnished flat free; single fare paid; references. "Photography," 172/40, Office of this Paper.

**SOUTHPORT** (near).—Exclusive and genuine offer; returns, with valuable asset, £3,200 per annum; well established; high-class profitable trade; splendid living accommodation; reasonable rent; lease; price £2,000, about. Another, similar, Manchester, but returns only £1,200 per annum; price £6,000. "No triflers." Brierley, Chemists' Valuer, 155 Queen Street, Newton Heath, Manchester. (Tel.: Failsforth 115.)

**SOUTH WALES** (growing residential area).—Family Retail and Dispensing Business; small Optics connection, can be increased; Medicated Wine Licence; rent and rates £130 per annum, including excellent living accommodation; turnover £2,000; lease; price £1,200 all in, or near offer. Fuller details to bona-fide buyers. 171/104, Office of this Paper.



**SUSSEX COAST.**—First-class Retail and Dispensing Business, in splendid position facing the sea; established many years and selling through retirement; clear net income of £750 after paying every expense; excellent house and good garden; held on long lease; price £2,650; references required. Apply "Retiring," 173/169, Office of this Paper.

**WIGAN.**—Good-class Business for disposal; returns for 1929, including N.H.I., £1,085; for January-June, 1930, £501; premises on lease; reasonable rent and rates; good living accommodation; easily managed; ill-health cause of sale; fixtures and goodwill, £200; stock at valuation; combined amount about £400. 172/7, Office of this Paper.

**W.11.**—BARGAIN, £200, including stock, fixtures; six-roomed house, side entrance; could let off to cover rent, which is £60 per year; low rates; disposal owing to death; small takings; in working-class district; good Panel done; suit single man to work up; long lease; and good profits made. 175/27, Office of this Paper.

**YORKSHIRE.**—Old-established, good-class Family Retail and Dispensing Business in best residential part of city; no near opposition; freehold house and shop. Details on application to 171/36, Office of this Paper.

**BARGAIN** for quick sale; smart, modern and newly fitted; established nearly 6 years; adjoining multiple stores; double-fronted; lock-up; inclusive rental; Post Office attached; building and developments all round; lots of scope; neglected; genuine reason for selling; all at £850; stock and everything. Particulars apply 10 Bromley Hill, Bromley, Kent.

**CHEMIST'S**, main road, W.; established 70 years; same hands over 40; trade £1,550, but has been considerably more; rent £90 per annum; lease 14 years; good living accommodation over; thoroughly genuine concern; capable of immediate increase; price, all at, £850. Apply Sole Agents, Ambrose & Son, Loughton, Essex.

**CITY** Business; unique position; easily worked; double-fronted, lock-up shop; well stocked and fitted; high-class trade; Kodak Agency; good D. & P. and draught trade; turnover about £3,300 at good profits; occupies one of the finest positions in the City of London; good lease at reasonable rental; only wants seeing; price to be arranged. Apply 174/8, Office of this Paper.

**DRUG** Stores; lock-up; one room fitted for Panel; badly required; bold corner position, main road; gas; wired for electric light; scope; wants seeing; rent and rates 32s. 6d. inclusive; weekly agreement; returns £5 weekly; Ilford district; £70, stock at valuation, or offer considered. 174/11, Office of this Paper.

**FOR SALE.**—Business, owned by public company and manufacturing well-known Ointment and other Remedies, for Sale as a going concern for cash by Receiver for debenture holders; accounts produced and fullest information given in confidence to genuine principals only; no agents. Write Myers, Davies & Co., Chartered Accountants, Balfour House, 119-125 Finsbury Pavement, E.C.2.

**LARGE** commanding lock-up corner Shop, with back room; 3 handsome large plate-glass windows; opposite station; line recently electrified; S.E. district; no near opposition; business has been neglected; Berdoo & Fish valuation, June 23, stock and fixtures, £576; price £425, or £175 cash and £300 extended over 3 years; lease can be granted for 7 or 14 years, £100 per annum. Apply Davis, 97 Borough High Street, S.E.1.

**NET** income £320; turnover £1,200; price £650, or nearest reasonable offer, for stock and fixtures (£530), lease (8 years), goodwill, and growing Proprietary of Village Pharmacy; unopposed 4 miles; lock-up; electric light; Kodak, Ucal, N.H.I.; good-class trade; suit young single; make money; lady or elderly, semi-retire. Write "Chemicus," 175/5, Office of this Paper.

**OPPORTUNITY** for young, qualified to start on his own; nice little Business on main road; pleasure resort 40 miles London; turnover increasing, now averaging £12 per week; big D. & P. during season; £125 cash and £250 easy mortgage; long lease; house and garden if required; moderate rent. 174/40, Office of this Paper.

**PHARMACY** for Sale, Western Suburb, London; main road; takings over £20 weekly; qualified take over £30; vast opportunity; long lease; 4 rooms, scullery, bath; long garden; snip for right man; price £500; accept £350 cash; £150 can remain for two years; illness cause of sale. 175/28, Office of this Paper.

**SPLENDID** Business for Sale, S.E. London; no near competition; unique position; excellent living accommodation and garden; price, including freehold, £2,500. 175/26, Office of this Paper.

**TO LET** (Mansfield, Notts), House and Shop, with immediate possession, in busy thoroughfare; successful Chemist's business carried on for many years; populous neighbourhood; good opening for energetic man. For further particulars, apply W. T. Frow, 40 St. John Street, Mansfield.

**TO MULTIPLE CHEMISTS AND OTHERS.**—For Sale in Midland manufacturing town, an exceptional Cash Business which has been established nearly 100 years; two changes of ownership only during this period; returns £6,000; Prescriptions, N.H.I. and others well over 30,000 per year; books kept by accountant; price for business and freehold property £8,000; principals only dealt with. Replies to 174/2, Office of this Paper.

## AGENCIES.

**LIVE** Representative, with very excellent connection whole of London, open to accept further commission of suitable remunerative, saleable line; excellent opportunity for company out with Packed Tablet lines to increase sales at half cost; country and foreign companies' inquiries cordially invited. Write 173/26, Office of this Paper.

**WELL-KNOWN** Firm desirous of securing Agency for first-class product with quick-selling possibilities; sound connection with Chemists and energetic and reliable representation available. Apply, P.C.B. 69/5, Office of this Paper.

## BUSINESSES WANTED.

**NORTH-EAST COAST** (Durham or Northumberland).—Wanted to purchase a good sound Business; one that is in a thickly populated working-class neighbourhood. Apply 173/178, Office of this Paper.

**REQUIRED**, Business which could be carried on by proprietor or with one assistant. Henry Grundy, "The Orchard," Crockford Road, Newmarket.

**WANTED**, small, genuine Business with scope for increase, Drug Stores or Pharmacy, with living accommodation preferred; Midlands. Please give full particulars, in confidence. 173/25, Office of this Paper.

## PARTNERSHIPS.

**THE** Advertiser, whose business is chiefly with Chemists, is desirous of taking up an interest with another firm having similar (or other) connections; moderate capital. Write P.C.B. 69/7, Office of this Paper.

**WELL-KNOWN** Scottish Pharmacist, having disposed of his retail businesses but retaining ownership of an increasing popular Proprietary and a Foreign Agency, desires residence in the South of England, and would be prepared to consider an active Partnership in a sound established Wholesale or Agency concern in or around London; capital available. Apply, with particulars, to J. Aikman Smith & Wells, C.A., 8 Forres Street, Edinburgh.

## SITUATIONS OPEN.

### RETAIL (HOME).

**BIRMINGHAM.**—Qualified young man wanted immediately to manage small city shop (apprentice only kept); tactful, obliging business builder, with good Photographic and Window-dressing knowledge. State age, experience, and salary required. 174/23, Office of this Paper.

**CARDIFF.**—Unqualified male Junior of good appearance, well trained, and accustomed to good-class Dispensing and Counter business; must be intelligent Salesman and good Window-dresser, with Photographic experience. Full particulars to J. T. Day, Chemist, Albany Road, Cardiff.

**EAST HAM.**—Wanted, at once, qualified Chemist to manage small business until disposed of; Prescribing, N.H.I., Photography, etc.; working-class neighbourhood. Apply personally any time, or write giving full particulars and salary required, which must be moderate. Fookes, 34 Vicarage Lane, East Ham.

**GUILDFORD.**—Competent, unqualified Junior required for Dispensing, Counter, etc. Apply, stating age, height, salary required, and full particulars of experience, enclosing photo, to H. Jeffries & Co., 23 High Street.

**ISLINGTON, N.1.**—Lady, with good experience of Surgical Instruments and Counter; knowledge of Toilet side an advantage; comfortable position in good-class business. 175/24, Office of this Paper.

**LONDON.**—Manager; must have had managerial experience and possess up-to-date ideas in modern Retailing, fully qualified in Pharmacy and Optics. State fully experience, etc., giving height and age. 173/180, Office of this Paper.

**LONDON, N.7.**—Junior (male); all-round experience; honest; energetic. Phone: North 3298. Venables, 292 Holloway Road, N.7.

**LONDON, N.W. DISTRICT.**—Qualified Manager required for good-class business; must be good Window-dresser, well experienced in Photographics. Give full particulars of experience, age, salary in first letter. Apply, by letter, to H. S. Foster, 187 Banstead Road, Carshalton.

**LONDON, W.**—Junior required; must be a capable Dispenser; permanency if suitable. 173/38, Office of this Paper.

**LONDON, N.**—Unqualified Junior Assistant wanted as soon as possible; age about 21 years. State age, height, experience, and salary required (outdoors). F. J. Sandberg, Chemist, 22 Regents Parade, North Finchley, N.12.



**MANCHESTER.**—Pharmacist wanted at end of July or early August to manage shop; permanency to right man; Window-dresser and correct N.H.I. Dispenser. State age (not under 26 years), height, and whether married or single; £4 15s. 173/2, Office of this Paper.

**NEW FOREST.**—Wanted, lady Assistant; Dispensing; some knowledge of Photographics (not D. & P.). Martin, Pharmacist, New Forest, Brockenhurst, Hampshire.

**NOTTINGHAM.**—Junior Assistant wanted; must be quick, accurate and well trained. Give age, experience, and salary required to W. Meakin, Chemist, Sherwood, Nottingham.

**ROYAL CHEST HOSPITAL** (Royal Northern Group of Hospitals).—Pharmacist Locum required, 3 weeks, August 5-23 inclusive; £5 weekly. Apply, giving reference, to the Secretary, Royal Northern Hospital, Holloway Road, N.7.

**SHEFFIELD.**—Qualified Assistant, about 25-30, immediately; outdoors; no Sunday duty; knowledge Photography essential. Please state full particulars in first letter, age, height, when disengaged, previous experience, salary required, and enclose photo. H. G. Williams, 118 The Moor.

**SUSSEX.**—A smart Manager is required for a new business in a popular seaside town; applicants must have had previous experience of management and possess good knowledge of Display and Salesmanship; living accommodation available, and bonus and commission is offered to the right man. All replies, which should give full details of experience, height, age, and when at liberty, will be treated in strict confidence. 173/179, Office of this Paper.

**A**N experienced Assistant for quick Counter and Dispensing business wanted, from August 11 to September 6 inclusive. Apply personally, between 10.30 and 11.30, to the Manager, Durbins' Drug Stores, 66 The Broadway, Ealing.

**A**SSISTANT; unqualified; must have good experience in Dispensing (chiefly) and good-class Retail, with Photography. Apply, stating age, references, and salary required, to Mr. E. G. Price, Ph.C., Mellin & Co., 83 High Street, Eltham, S.E.9.

**A**SSISTANT, young lady, with good knowledge of Counter, Photography and Window-dressing, required for Stratford. Full particulars and salary required to 173/32, Office of this Paper.

**C**APABLE lady Assistant of good address for Counter and Dispensing; energetic and trustworthy; West of England. Apply, with usual particulars, to 168/29, Office of this Paper.

**J**UNIOR Assistant wanted (male). Apply personally only, at once, Hancock & Co., Ltd., 144 Fleet Street, E.C.4.

**J**UNIOR qualified Assistant (male), mainly for Dispensing. State salary (outdoors) and usual particulars, enclosing photograph. H. R. Browne, 44 Cornfield Road, Eastbourne.

**L**ADY Chemist, qualified, wanted to manage Village Chemist's in Hampshire; 6-roomed house, lovely garden, etc.; £2 per week and house. 174/29, Office of this Paper.

**L**OCUM, qualified, required almost immediately for a few weeks until business is disposed of for good-class Pharmacy with Wine and Spirit Licence; lady or gentleman; salary £4 10s. Apply Brough & Co., 2 Franklin Road, Harrogate.

**L**OCUM, qualified, August 5 to 15 inclusive. State salary required for total period and full particulars. Apply, by letter, Maryland Pharmacy, 1 Forest Lane, Stratford, E.15.

**L**OCUM wanted, qualified, male, for August 16-30 inclusive. Please state age, references, and salary required. R. Glaister, 49 Abbey Road, London, N.W.8.

**L**OCUM, unqualified, wanted for one month beginning about the fourth week in August; Channel Islands. Write "Beta," 167/22, Office of this Paper.

**L**OCUM, young, qualified, from July 21 to August 23. Apply, in person if possible, to Bird & Storey, 42 Eastcastle Street, W.1.

**L**OCUM, qualified (male), July 21 to August 2 (inclusive); Light Retail, Dispensing, Photography (no D. & P.). Full particulars to Hey, Chemist, York.

**L**OCUM wanted, August 15, for two weeks, possibly four weeks. State terms. Luxton, Chemist, Cowick Street, Exeter.

**L**OCUM, unqualified (male), for 4 weeks, commencing July 21; must be capable Dispenser and of good address. Apply at once, stating terms, Edwards, Chemists, Godalming, Surrey.

**M**ANAGER, qualified, wanted immediately for branch opening shortly Gorleston-on-Sea; preference given to one holding Optical Diploma, registered J.C.Q.O., but not essential. Please state salary required and full particulars in first letter. Send photo if possible. McDaniel, Bungay, Suffolk.

**M**ANAGER wanted (male) immediately for branch, East End; busy N.H.I.; permanency to the right man; good references essential. Apply Liley's, Ltd., 37 Belsize Lane, Hampstead, N.W.3.

**Q**UALIFIED Manager (outdoor), about 30, for N.E. London; must be active business man, used to sole charge and keen buyer; salary and commission; undeniable references from last two engagements essential. 173/1, Office of this Paper.

**Q**UALIFIED Assistant (lady or gentleman) for several weeks, commencing July 20 or 27; good-class Retail, Dispensing. Please state age, salary, experience. A. Wright, Chemist, Barnsley.

**Q**UALIFIED Assistant required; good-class Counter experience desirable; position available within 1-3 weeks; reasonable hours; age 23-30. State salary expected, age, height, experience. State if interview possible on Tuesday. G. H. Pierson, 94 Queen's Road, Bayswater, London, W.2.

**Q**UALIFIED Manager required for working-class business; soon; salary £4 per week. Robinson, Chemist, Horsefair, Kidderminster.

**Q**UALIFIED Manager wanted for middle and working-class district in Midlands; energetic and capable man with initiative required; comfortable living accommodation attached to shop. Please give full particulars in first letter as to previous experience, age, salary required. 173/33, Office of this Paper.

**Q**UALIFIED Assistant; smart, capable; young; good all-round experience; Counter, Window-dressing and Dispensing; permanency. Also capable Junior for Dispensing, Counter and Window-dressing. Full particulars, age, experience, salary required and when disengaged, 6/8 Lewisham Road, S.E.13.

**W**ANTED, for newly-opened Pharmacy in Manchester, a Manager. Give particulars in first letter. 170/17, Office of this Paper.

**W**ANTED, young, qualified Assistant, either sex, for six or seven weeks from July 21; wages and full particulars first letter. Applications not answered in four days respectively declined. "South Wales," 172/36, Office of this Paper.

**W**ANTED, Assistant (lady or gentleman) for Dispensing, Manufacture of B.P. Preparations, etc.; would suit Part II Student. Apply T. R. Boon, 186 High Street, East, Walsend.

**W**ANTED, young, qualified Assistant for good-class business in agricultural district. Apply, with full particulars, including wages required and references, to O. L. Carrington, 18 High Street, Chipping Norton.

**W**ANTED, a qualified lady, with Hospital experience, for part-time Locum during August. For particulars apply to the Pharmacist, Hospital for Women, Soho Square, W.1.

**W**ANTED, immediately, competent Assistant; outdoors; permanency; good-class, all-round experience and Photo Sales. State age, experience, salary, when disengaged, photo. Oldfield, Chemist, Station Road, Westcliff-on-Sea, Essex.

**Y**OUNG, qualified Assistant (male) required for permanency in first-class Light Retail; August; no N.H.I.; must be really capable Dispenser and Counterman. Particulars of experience and salary required, enclosing photo if possible, to "East Midlands," 174/31, Office of this Paper.

#### WHOLESALE.

**A**NALYTICAL Chemist, holding the Pharmaceutical Society's qualification, required by Wholesale Druggists; must be experienced in testing B.P. manufactures and purchases, particularly Alkaloidal Assays. Apply, stating salary required and previous experience, to 173/177, Office of this Paper.

**J**UNIOR required in Analytical Laboratory of Wholesale Druggists; about 20; one with experience of estimating Spirit Strengths and testing purchases of Drugs and Chemicals. Apply, stating previous experience, salary required, to 173/176, Office of this Paper.

**R**EPRESENTATIVE, country, wanted by London Wholesale Druggists. Reply, giving full particulars of experience, etc. to "Galen," 171/102, Office of this Paper.

**R**EPRESENTATIVES, with good connections amongst Chemists, wanted to introduce an entirely new non-competitive advertised line of Food Products in many areas; part time. Give full particulars to "M. H. P.," 170/16, Office of this Paper.

**R**EPRESENTATIVES, (1) West of England, (2) Yorks and Lincs, calling on Chemists Wholesale and Retail, to carry on commission excellent selling side line; repeats assured; small samples. Full particulars first letter to 173/40, Office of this Paper.

**R**EQUIRED, young Chemist (male or female) having knowledge of poultry breeding, to demonstrate special Antiseptic at World's Poultry Exhibition, Crystal Palace, July 22 to 31 inclusive. Full particulars to 173/182, Office of this Paper.

**T**OILET SOAP.—Representative wanted, with connection and another suitable line, on the South Coast; also Glamorgan and Monmouth. Richard When & Sons, Ltd., The Soapery, London, S.E.8.



**WANTED**, a Representative, with connection among Chemists in London area, to introduce a Proprietary Nerve Food, "own name" packed lines and Bath Salts, etc., on commission and part expenses basis. Apply, by letter in first instance, Amalgamated Laboratories, Ltd., Staple Inn Buildings (South), 335 High Holborn, W.C.

### COLONIAL, INDIAN AND FOREIGN.)

**TRINIDAD**.—Required, young Assistant, recently qualified; good experience essential; good opportunity. Write, stating age, salary expected, etc., to "Planter," P.O.B. 69/2, Office of this Paper.

## SITUATIONS WANTED.

### RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

**A**.—**QUALIFIED** desires post as Manager, with living accommodation and within convenient reach of Victoria; previous experience; interview, free Wednesday afternoons. Coope, 5 Lynwood Road, Upper Tooting, S.W.17.

**A**.—**QUALIFIED**, 25, desires position as Manager or Assistant; Dispensing, Counter, Photography. "Chemist," 82 Pendine Street, Manchester. References.

**A**.—**ASSISTANT**; competent; tall; 26; first-class West-End and other experience; Dispensing and Counter; unqualified; energetic; educated. 174/17, Office of this Paper.

**A** **CHEMIST**, well experienced in all branches of Pharmaceutical business, desires post as Manager in London with a good firm; salary £6. 175/2, Office of this Paper.

**A** **CHEMIST OPTICIAN**, F.S.M.C., F.B.O.A., J.C.Q.O., disengaged any time, desires appointment both branches; would open Optical Department, any suitable opening, finding stock and equipment. 171/20, Office of this Paper.

**A** **PHARMACIST** requires responsible Managerial position where expert Salesmanship and modern business methods are essential; large departmental or high-class seaside preferred; twenty odd years' experience, West-End, country, seaside; minimum salary £8. 174/6, Office of this Paper.

**A** **QUALIFIED** Scot, young, tall, desires permanency; anything considered; disengaged July 12. "Chemist," 1 Mount Street, Aberdeen.

**A** **BOUT** July 28; Scot; 25; unqualified; ten years' good-class experience; competent Dispenser. Williamson, 22 New Oxford Street, London, W.C.1.

**A** **S** Manager; M.P.S., F.B.O.A., J.C.Q.O.; varied and successful experience; keen business man; good Salesman; undeniable references; permanency. Replies to 172/14, Office of this Paper.

**A** **SSISTANT**; experienced Dispenser and Salesman; Photography; middle-aged; single; active; unqualified. "Statim," c/o Mrs Drewery, Kingsbridge House, Bracebridge, Lincoln.

**A** **SSISTANT**, male, 21½ years, taken Part II final ensuing week, now open for immediate engagement; good experience Counter and Dispensing; disengaged; urgent. Harris, 79 Sellons Avenue, N.W.10.

**A** **SSISTANT**.—Young lady, with 5½ years' experience at Drug and Toilet Counters, desires change; Midlands preferred. 172/5, Office of this Paper.

**A** **SSISTANT**, 27, married, unqualified, requires permanency; accurate Dispenser; keen, energetic Counterman; capable; trustworthy. Hunt, 235 Ditchling Road, Brighton.

**A** **SSISTANT**; 30; unqualified; 11 years' experience; permanency; disengaged; willing; good references. Reed, 28 Belmont Road, Brislington, Bristol.

**A** **SSISTANT**, 24, unqualified, requires situation from about July 21 to September 15; high-class Dispensing and Counter; Bristol or Weston-super-Mare district preferred. Winsor, Reading House, Clevedon.

**A** **SSISTANT**; 22; Counter, Dispensing, Window-dressing, Photo; excellent references. D. McCarthy, 31 Woodfield Road, Paddington, W.9.

**A** **SSISTANT**, qualified, six years' experience in Dispensing, Counter, Window-dressing, wants situation; anywhere preferred; moderate salary. Gerald Coleiro, 110 King Street, Southsea, Portsmouth.

**A** **WAITING** qualifying result; as unqualified Locum; efficient and competent; speciality Dispensing. Myers, 18 Henderson Road, Edmonton, N.9.

**B** **RANCH** Manager, with long and varied experience, seeks position in Outer London or good provincial town; Minor qualification; married; accept moderate salary if permanency assured. 172/24, Office of this Paper.

**B** **RIGHTON OR SUSSEX**.—Wanted, situation, Junior; temporary or permanent; awaiting result Minor; good references and experience. Bird, 4 Victoria Road, Brighton.

**D** **ISENGAGED**.—Locum; unqualified; West-End and suburban experience. Arthur, 62 Caldecot Road, Denmark Hill, London, S.E.5.

**E** **NERGETIC** young man, disposed own business, requires berth; experienced all branches, Wholesale, Retail and Manufacturing; willing to undertake anything with scope; preferably with Wholesale House. "Zinzib," 785 Pershore Road, Birmingham.

**E** **XPERIENCED** Saleswoman; Toilet, Drugs and Perfumery; disengaged. Miss Driffeld, 124 Stanstead Road, Forest Hill, S.E.23.

**F** **ORTNIGHTS** or Longer.—Locum engagements desired by up-to-date Chemist in good-class businesses for August and September; indoors not objected to. Fitt, c/o Mr. Sheppard, Chemist, Barnstable, till end of July.

**F** **RANCIS B. DI MENNA** is open for Locum work or Assistant; Leeds or Bradford district preferred; last six years manager; highest references. 5 Amberley Street, Bradford.

**J** **UNIOR**, 20½, all-round man, high-class experience, requires change; West-End or W. suburb. Write, "H.," 24 Rowan Road, W.6.

**J** **UNIOR**; 21; tall; good appearance; accurate Dispenser; Midlands preferred. Apply J. Taylor, 31 Fairfield Street, Lincoln.

**J** **UNIOR** Assistant requires post during College vacation, July 12 to September 16; all-round Counter and Dispensing experience. Luxton, 25 Victoria Road South, Southsea.

**K** **EEN** and capable Pharmacist, with Optical qualifications, seeks permanent, but temporary position considered; disengaged shortly. "J.C.Q.O.," 17 Grawicke Road, Worthing.

**L** **ADY** Dispenser (Hall) requires post, Chemist, Doctor or Institution, Birmingham district; present position 3 years with two doctors; Book keeping, etc.; good references; Hospital experience. 168/6, Office of this Paper.

**L** **ADY** Dispenser (Hall); 22; 4 years' good-class Counter and Dispensing experience; disengaged. "L. V. G.," 1 Weston Hill, Upper Norwood, S.E.19.

**L** **OCUM**; unqualified; 38; up to date all branches, Photo, etc.; any two weeks August; used to brisk trade; present situation Manager, 4½ years; town or seaside. 172/12, Office of this Paper.

**L** **OCUM**, middle-aged; abstainer; reliable; £5 10s. weekly. Powell, 54 Porters Grange Avenue, Southend-on-Sea.

**L** **OCUM**; qualified; free July 21 to August 2, September 22; permanency or locum. "Pharmacist," 98 The Grove, Ealing, W.5.

**L** **OCUM**; qualified; experienced; excellent references; disengaged. John, 40 Sandringham Avenue, Merion Park, S.W.20.

**L** **OCUM**; Relief; Manager; "not registered"; 20 years' experience; Panel, Counter, Prescriber, Salesman. "Smart," 150 Scott-Ellis Gardens, N.W.8.

**M** **ANAGER**, Locum; disengaged August 1; experienced; Counter, Dispensing, Photography. "A.," 65a Blackwell Street, Kidderminster.

**M** **ANAGER** or Assistant; qualified; experienced; good Dispenser and Counterman; now disengaged; moderate salary. 174/15, Office of this Paper.

**M** **ANCHESTER DISTRICT**.—Chemist; qualified; Locum; part-time or permanent; good references and experience. 174/24, Office of this Paper.

**M.P.S.**, F.S.M.C., 28, Scot, experienced Manager, business builder, seeks post; South preferred. "M.P.S.," Norfolk House, March, Cambridgeshire.

**M.P.S.**, good knowledge Optics, high-class Dispensing, Photography, speaks German, wants position; London or suburb; now disengaged. P.C.B. 69/9, Office of this Paper.

**P** **ART-TIME**, evenings and Saturdays; Dispensing, Counter; references; North London preferred; relief or one year; salary moderate. 172/8, Office of this Paper.

**P** **OSITION** of responsibility and trust required; permanency; country town; present post as Senior and Manager 6 years; keen, good Counterman and thorough knowledge of all branches; wage £4 10s. to £5, with commission; qualified. "Chemdrug," 172/13, Office of this Paper.

**Q** **UALIFIED**.—Branch Manager or Senior; capable Dispenser and Salesman; Photography; good all-round experience; active and energetic; well recommended; would invest capital if necessary on profit-sharing basis. 172/15, Office of this Paper.

**Q** **UALIFIED** Chemist, 23, first-class experience, good Dispenser, seeks post, locum or permanency; excellent references. Carrington, Coombes Road, Bakewell, Derbyshire.



**ALL MANAGERS AND QUALIFIED ASSISTANTS**

should join at once

**THE NATIONAL UNION OF DRUG & CHEMICAL WORKERS**

(Incorporating the National Association of Chemists' Assistants)

**BENEFITS: Trade Protection—Legal Aid—Unemployment Benefit—Free Use of Employment Bureau**Write for particulars:—ARTHUR J. GILLIAN, Gen. Sec.  
149 Newington Causeway, LONDON, S.E.1

**QUALIFIED**, 32, married, desires post as Manager or Senior; permanency or locum entertained. "W. J. G.," Werfa, Henllan, Cards.

**QUALIFIED**; 22; tall; Locum or permanency; Croydon district preferred; disengaged. B. B. Russell, "Rose Lawn," The Warren, Carshalton.

**QUALIFIED**; young; energetic; free one month; excellent references; Manager or Assistant; Locum work considered. "Chemist," 67 Bedford Road, Clapham, S.W.4.

**UNQUALIFIED** Assistant requires post; Leeds district or Bradford preferred; height 5 ft. 9 in.; age 26; 6 years' experience; capable and experienced Dispenser; good Window-dresser; excellent knowledge of Photography (including D. & P. and enlarging); some experience in Optical work; recently completed course of study for the C. & D. Qualifying Examination. 157/31, Office of this Paper.

**UNQUALIFIED**; 25 years' good all-round experience (London and country); reliable; good credentials. "Chemicus," 3 High Street, Knap Hill, Woking.

**UNQUALIFIED** lady Assistant requires post; 10 years' good all-round experience; capable Dispenser. 172/21, Office of this Paper.

**UNQUALIFIED** Junior (lady) seeks permanency with Chemist, Dispensing, Counter, Light Photographic; references. Apply, "Belladonna," 173/23, Office of this Paper.

**UNQUALIFIED** Assistant.—Mr. A. Catto, 49 Cranbrook Road, Ilford, can thoroughly recommend Mr. Jaffe, who has just completed his apprenticeship and is anxious to take a temporary post from early August until commencement of classes at the end of September; Mr. Jaffe has passed Part I. Full particulars regarding character and abilities will be gladly furnished.

**WHOLESALE.**

**A QUALIFIED** Chemist, 36, at present in business on own account, seeks post of responsibility with Manufacturer; experienced, industrious and energetic; good organiser; representation considered. 174/38, Office of this Paper.

**ADVERTISER**, M.P.S., experienced and responsible man. desires post with reputable Company where creative mind would give rapid advancement; last five years on Continent; sales organisation, staff control, publicity work, etc.; special language qualifications. 173/37, Office of this Paper.

**AGE** 24, gentleman seeks situation; year's experience with Wholesale Chemist as Compressed Tablet Maker and Warehouseman; would accept anything. Apply 171/40, Office of this Paper.

**EXCELLENT** Retail and Toilet Manufacturing experience, 26, educated, desires post with some responsibility. Smith, 90 Staines Road, Ilford.

**EXPERIENCED** Traveller, young, seeks post at once with well-known house; abstainer; steady; reliable; honest; knowledge of all branches of Wholesale trade; established personal Chemist connection South and South-West Counties; prospects of permanency desirable; keen, loyal worker to firm giving every encouragement and support; own car; small salary and expenses to start. Cole, 16 Sholing Road, Itchen, Southampton.

**IRISH FREE STATE**.—Pharmacist, 33, salesman of ability, is anxious to hear from manufacturers of importance offering a really first-class presentation in Toilet Requisites, Pharmaceutical Specialities, etc.; the proposition is a live one, and at the moment offers bright prospects to enterprising concerns desirous of developing their businesses; advertiser, who now seeks wider fields, has a first-hand knowledge of present market conditions and, being widely known in Retail circles, can pull big business; terms by arrangement. 172/19, Office of this Paper.

**REPRESENTATIVE**, 30, with first-class record and experience in Medical and Dental detail work and as Salesman; strong connection with Medical and Dental professions and Retail trade in Lancashire and Yorkshire; free to negotiate with first-class house; can furnish highest references as to character and ability. 174/32, Office of this Paper.

**(COLONIAL, INDIAN AND FOREIGN.)**

**INDIA, ETC.**—Well-known Representative, with wide knowledge of India, Burma and Ceylon, now open to engagement; personally known to all principal Chemists, Importers of Essences, Essential Oils, Perfumery, Toilet Preparations, etc.; terms by arrangement; can interview anywhere. 156/15, Office of this Paper.

**CLEAR OUT**—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH.

**I GIVE BEST PRICES** for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

**S. E. HACKETT, 23 July Road, Liverpool**

**WANTED** by a qualified Chemist a responsible position abroad; tall; age 26; 2½ years' first-class experience in India; excellent testimonials. Apply Walker, 36 High Street, Taunton, Somerset.

**MISCELLANEOUS.**

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid.

**NEARLY NEW** mahoganyised modern composite Wall Fitting, containing 57 glass labelled and knobbed drawers flanked by two large cupboards, and surmounted by three plate-glass fronted cases, with drug shelves between, 14 ft. long, 9 ft. 6 in. high overall; new 7 ft. Dispensing Screen, mirror centre, sponge case below, flanked by full length glass cases; large Carboy fits on top centre; at base label and other drawers and large cupboard; £40 the lot, or separate. Seen INGRAM BROS., James Street, Louth, Lincs.

**SHOPFITTINGS, NEW OR SECOND-HAND**.—In stock and ready for immediate despatch. Forward us the sizes of your pharmacy and we will quote by return of post. Write or call, PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy Fitters for over a Century."

**STOCKS** of Chemists' Fixtures, Fittings, Shop Rounds, Show-cases. The foregoing comprehensive stocks to be sold immediately owing to liquidation and other reasons at extremely low prices. Of particular interest to chemists opening new premises. Please call and inspect. Willis, 51 Farringdon Road, E.C.1.

**SURPLUS Stock**.—Genuine Green's American Soda Fountain, complete, with two cylinders, cost £120, £14; W. Ot. Inf. Senegae Conc. B.W.S., 3s. 9d. lb.; 3 lb. Cressote, B.P., 1s. 11d. lb.; 5 lb. Pot. Iod., 16s.; 20 oz. Quin. Sulph., 1s. 8d.; 8 oz. Iodum. Resub., 1s. 1d.; Rubber Breast Pumps, perfect condition (cost 20s.), 8s. STEVENS, Chemist, 97 Borough High Street, London, S.E.1.

**£62 FOR SET OF CHEMIST'S FITTINGS**.—8 ft. Drug Fitting, fitted 16 drawers with glass labels and knobs, 30 ft. glass front Counter, 6 ft. Dispensing Screen, Perfumery Case and Desk and Cash Till. Full particulars on request. Always a good selection of Silent Salesmen, Counters, Wall Cases, etc., in stock. F. MAUND & E. BERG (SHOWCASES), LTD., 175/9 and 336 Old Street, London, E.C.1.

**£67 10s. FOR PHARMACY FIXTURES**, comprising: Drug Fixture, Counter with mirror-lined showcase front, fitted at back two rows of drawers, Wall Case, Dispensing Screen fitted three mirror-back show cases, Silent Salesman with three plate-glass shelves, Gledhill Till. Call or write, RUDDUCK & CO., 219 Old Street, London, E.C.1.

**£70. COMPLETE SET NEW PHARMACY FITTINGS**.—10 ft. Drug Range, 50 drawers (glass labels), shelving and lockers; 6 ft. Dispensing Screen and Counter; 8 ft. glass-fronted Counter with 6 ft. bent Counter Case, Perfumery Case and Desk. Special quotations and illustrations on request. Fit ups at short notice. R. TOMLINSON & SONS, LTD. (Shop Fitting Specialists), 3 Lionel Street, Snow Hill, Birmingham.

**£90 FOR COMPLETE SET of Main Fittings**, comprising: 10 ft. Drug Range, complete with 30 drawers with bevelled edge glass labels and two poison cupboards, shelves and lockers; 10 ft. glass-fronted Counter with drawers at back, 6 ft. Dispensing Screen, 6 ft. Wallcase, Perfumery Desk and Case. We have erected a complete Chemist Shop in our Show Rooms. 40-page Catalogue on request. D. MATTHEWS & SON, Chemist Shop Fitters, 14/16 Manchester Street, Liverpool.

**EXCHANGE COLUMN.**

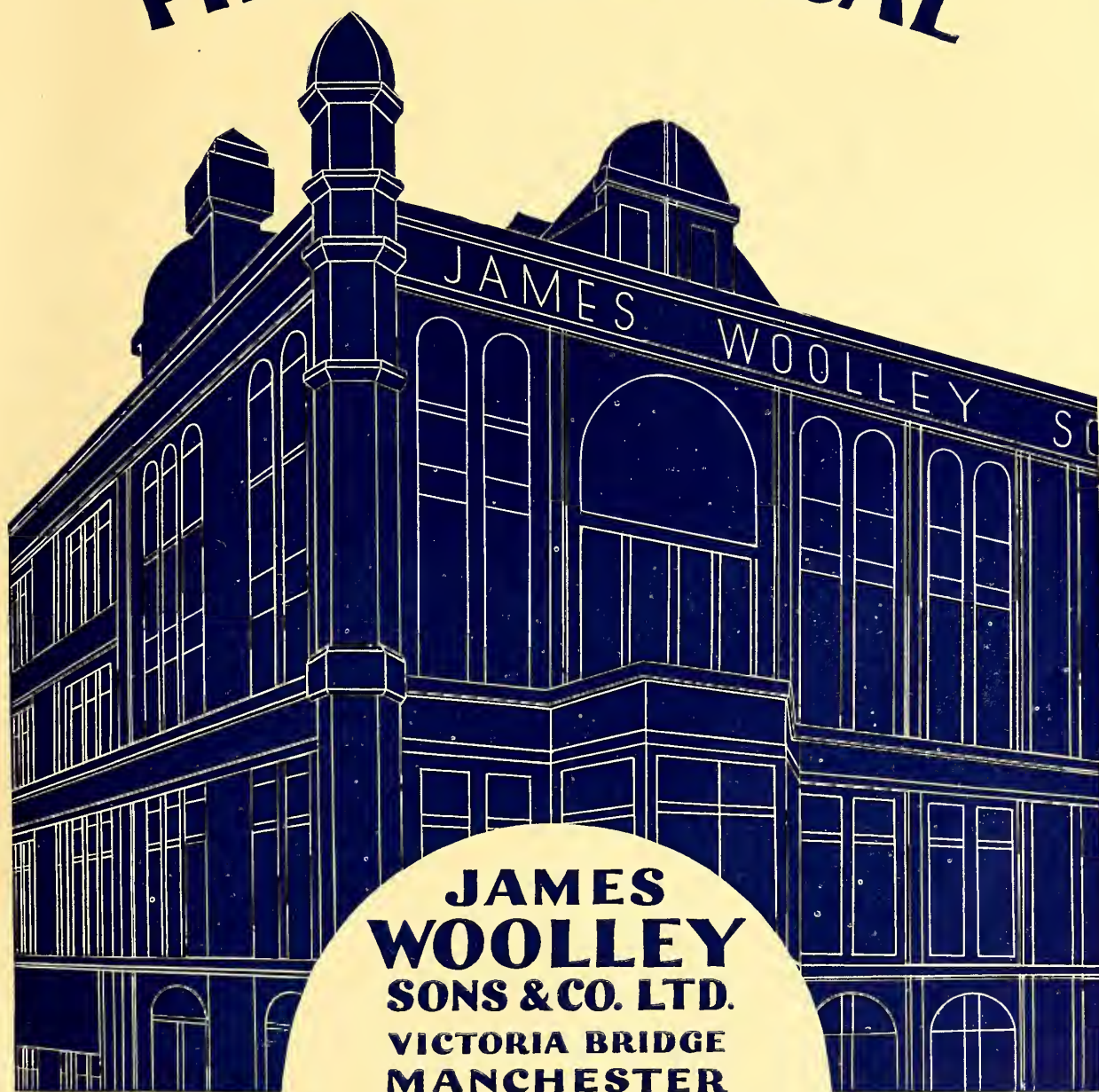
?d. per word: Minimum 2s.

**WANTED.**

**GOWER**, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including B.P., Pharmaceutical Formulas, B.P.C., P.J.F., Optical Books, Materia Medica Collections.



**FOR SERVICE AND QUALITY  
IN EVERYTHING  
PHARMACEUTICAL**



**JAMES  
WOOLLEY  
SONS & CO. LTD.  
VICTORIA BRIDGE  
MANCHESTER**





# THE BRITISH DRUG HOUSES

LIMITED



## "No. 101" SERIES

### A new series of high-class toilet preparations

Packed in distinctive bottles with sprinkler necks and untarnishable gilt caps. The bottles are of clear white glass, designed to show the colours of the preparations to the best advantage. A novel feature is that each bottle is fitted in a handsome cardboard jacket, not shown in the above illustration. The labels are embossed and are produced in a variety of striking colours. An embossed showcard completes a bright and attractive group, which forms a very fine display. The varieties and prices are as follows :—

	Small	Medium	Large
Bay Rum, Bay Rum and Cantharidin	7/6	10/6	16/- per doz.
Brilliantine, Hair Tonic, Setting			
Lotion, Honey and Flowers -	8/3	12/-	19/- „ „
Violet Oil, Eau de Quinine - -	9/-	13/6	22/- „ „

Special bonus terms for quantities.

Write for particulars.

GRAHAM STREET, CITY ROAD, LONDON, N1.







